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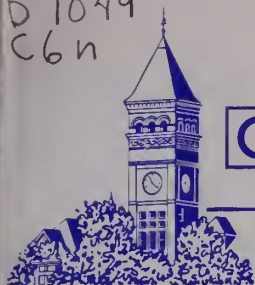
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C L E M S O N

Newsletter



NOT FOR PUBLICATION

Vol. 5 No. 1

August 16, 1965

Calendar for Aug. 16-Sept. 2 (And major events, 1965-66)

		New Faculty and Staff Orientation
Aug. 18	W	Civil Engineering Auditorium, 8:30 am
Aug. 19	Th	Civil Engineering Auditorium, 9:00 am
Aug. 18	W	Dinner for New Faculty and Staff Clemson Room, Clemson House, 7 pm
Aug. 20	F	Matriculation, New Students, 8 am - 4 pm
Aug. 20	F	General Faculty and Staff Meeting, Chemistry Auditorium, 10:30 am
Aug. 20	F	Luncheon for Honors Program Students, Clemson House, 12:15 pm
Aug. 20	F	Freshman Picnic - President's Home (In event of rain - Dining Hall) 6 pm
Aug. 21	Sat	Matriculation, Current Students, 8 am - 12 noon
Aug. 21	Sat	New Students Orientation, Tillman Hall Auditorium, 8:30 am
Aug. 21	Sat	New Students ROTC Orientation: Army - Tillman Hall Auditorium, 3 pm Air Force - Chemistry Auditorium, 3 pm
Aug. 21	Sat	Church Night for New Students, Community Churches, 7 pm
Aug. 22	Sun	Convocation for all Students, Amphitheatre, 7 pm
Aug. 23	M	Registration, New Students - English Bldg.
Aug. 24	T	Registration, Current Students - English Bldg.
Aug. 25	W	Classes begin (abbreviated schedule)
Aug. 26	Th	President and Mrs. Edwards "At Home" to Faculty, Staff and People of Community, 8 - 10 pm
Aug. 28	Sat	CDA Dance, Dining Hall
Aug. 29	Sun	Reception for International Students, YMCA Club Rooms, 4 - 6 pm
Sept. 6	M	Educational Council - President's Office (meets every first Mon.), 9 am
Sept. 15	W	Newcomers' Party, Woman's Club, Clemson House, 8 pm
Sept. 17-18	F-S	Rat Hop, Dining Hall

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Sept. 18	Sat	Football - N. C. State at Clemson (Band Day), 2 pm
Sept. 25	Sat	Football - University of Virginia at Charlottesville, 1:30 pm
Oct. 1	F	Lecture - Dr. C. G. Stephens, 8 pm
Oct. 2	Sat.	Football - Georgia Tech in Atlanta, 2 pm
Oct. 9	Sat.	Football - Georgia in Athens, 2 pm
Oct. 14	Th	Concert - National Band of New Zealand, Field House, 8 pm
Oct. 15	F	Freshman Football - Georgia at Clemson
Oct. 16	Sat	Football - Duke in Durham, 2 pm
Oct. 22	F	Tigerama, Stadium, 7 pm
Oct. 22-23	F-S	Homecoming dances Dining Hall
Oct. 23	Sat	Football - TCU at Clemson (Homecoming), 2 pm
Oct. 28	Th	Concert - Goldovsky Opera Theatre, Field House, 8 pm
Oct. 29	F	Freshman Football - Ga. Tech at Clemson
Oct. 30	Sat	Football - Wake Forest at Clemson (Youth Day), 2 pm
Nov. 5	F	Freshman Football - USC at Clemson
Nov. 6	Sat	Football - UNC at Chapel Hill, 1:30 pm
Nov. 8	M	Concert - Mantovani, Field House, 8 pm
Nov. 13	Sat	Football - Maryland at Clemson (Iptay and Dad's Day), 2 pm
Nov. 20	Sat	Football - USC at Columbia (classes suspended) 2 pm
Nov. 24-28	W-Sun	Thanksgiving Holidays - after last class
Dec. 3	F	Lecture - Dr. Marshall R. Colberg
Dec. 9	Th	Examinations begin
Dec. 17	F	Mid-Year Faculty Meeting, Chemistry Auditorium
Dec. 18	Sat	Mid-Year Graduation, Tillman Hall Auditorium, 3 pm
Jan. 10	M	Matriculation, New Students
Jan. 12-13	W-Th	Registration, all students
Jan. 14	F	Classes begin (abbreviated schedule)
Jan. 24	M	Religious Emphasis Week
25	T	
26	W	

Feb. 4-5	F-S	Midwinter dances, Dining Hall
Feb. 9	W	Concert - Original Piano Quartet, Field House, 8 pm
Feb. 15- Mar. 22	T	Continuing Education classes, 7 pm
Feb. 17	Th	National Players - "Romeo & Juliet", Tillman Hall Auditorium
Mar. 4	F	Concert - Chicago Symphony, Field House, 8 pm
Mar. 11-12	F-S	Spring Hop, Dining Hall
Mar. 16	W	Lecture - Dr. Robert W. Holley, 8 pm
Mar. 17	Th	Concert - Montoya, Field House, 8 pm
Apr. 7	Th	Easter holidays begin, 1 pm
Apr. 13	W	Classes resume
Apr. 20	W	Honors and Awards Day (classes suspended at 12 noon)
Apr. 22-23	F-S	Taps - Junior/Senior
Apr. 28	Th	ROTC Recognition Day
May 4	W	Examinations begin
May 13	F	General Faculty and Staff Meeting, Chemistry Auditorium
May 14	Sat	Commencement
May 14	Sat	President's Reception for graduates and families, President's Home, 2:30-3:30 pm
May 30-July 1		First Session Summer School
July 5-Aug. 13		Second Session Summer School
Aug. 13	Sat	Summer Graduation

NOTE: Other lecture dates will be announced in subsequent Newsletters.

NEWSLETTER NOTE

The Clemson faculty and staff Newsletter is printed twice each month and distributed through inter-office mail to each member of the faculty and staff.

Material in the Newsletter is furnished through the offices of the four executive officers of the University. Academic and research information comes from the office of Dean J. K. Williams, Phone 312; information on business affairs, physical plant, and non-academic personnel matters comes from the office of Mr. M. A. Wilson, phone 343; student affairs information comes from the office of Dean W. T. Cox, phone 241; and other information comes from the office of Dr. Wright Bryan, phone 344. Material should be submitted through appropriate administrative channels. Deadlines are the 10th and 25th of each month.

IM'S PROFESSIONAL DEVELOPMENT COURSES WELL ATTENDED

The Professional Development courses of the School of Industrial Management and Textile Science, for the summer of 1965, enrolled 146 industrialists from 14 states. 54 companies were represented, 91 different plants. The Professional Development program is under the direction of Professor C. V. Wray. Enrollment this summer increased 67% over the summer of 1964 for the 11 different courses.

1965 SUMMER SESSIONS ENROLLMENT LARGEST EVER.

On August 14 Clemson University concluded the largest summer program in its history, with a total enrollment in both sessions of 3216. There were five special institutes held on the campus and a language institute in France.

In 1962 Clemson adopted a plan of having two summer sessions of equal length. Since then the enrollment for the summer sessions has consistently increased.

<u>Year</u>	<u>First Session</u>	<u>Second Session</u>	<u>Total</u>
1962	1386	914	2300
1963	1347	1007	2354
1964	1533	1202	2735
1965	1833	1383	3216

A NOTE ON THE CLEMSON UNIVERSITY LIBRARY

The main Clemson University Library has a collection of about 250,000 volumes and grows at the rate of more than 13,000 volumes annually. In addition there are thousands of unbound publications (documents, bulletins, etc.) which are fully classified and available for use. Approximately 70% of the acquisitions budget is expended for serial publications.

The collections are divided into two broad divisions: (1) Social Sciences and Humanities on the main floor and (2) Science, Technology and Agriculture on the second floor and balcony. The arrangement is by the Library of Congress system of classification. Each division has the reference books, indexes and abstracts centrally located.

The Card Catalog and the Visible File of Periodical Holdings are located to the left of the main entrance. These records indicate not only the books and serials in the main library but also those that are available in branch or departmental collections such as Architecture, Chemistry, and Textiles.

Books needed by faculty or staff from libraries in other institutions may be requested through the library's interlibrary loan facilities. A special form is provided for this purpose.

Since Clemson University Library is really a large research library consisting of many special collections it is advisable to have a member of the library staff orient you to the publications in your field of special interest. Members of the library staff will be pleased to do this at your convenience.

A new modern library building is presently under construction and should be occupied early in 1966.

Reserve Books. You may wish to have certain titles placed on library reserve for use by your students. If the library does not already have the books you need they will be ordered as quickly as possible. The form used for requesting books is available at the circulation desk. Department heads will explain the procedure for ordering books and for placing titles on reserve.

FINE ARTS SERIES

For twenty-five years Clemson University has had a very successful concert series. In recent years the lecture series has brought to the campus authorities in their special fields for seminars and lectures. The School of Architecture has arranged annually for the presentation of the best available art exhibits in the Rudolph Lee Gallery. A Shakespearean play and a foreign language film series have been sponsored by the Department of English and Modern Languages.

In July of this year President Edwards appointed a Fine Arts Series Committee to assist in planning, coordinating, and publicizing these activities. By acting as a clearing agency where ideas and information can be exchanged, the Committee hopes that the cultural environment of the entire university community can be greatly enhanced. It is planned to issue a master calendar of all such events from time to time and to maintain the special announcements for the art exhibitions, the concert series, and the lecture series.

Membership of the Committee is:

University Fine Arts Series Committee

C. B. Green, Chairman, ex officio
J. K. Williams, Dean of the University, ex officio
W. T. Cox, Dean of Student Affairs, ex officio

Sub-Committee on Art Exhibitions, Films, Lectures, and Plays

H. E. McClure, Dean, School of Architecture, ex officio
H. M. Cox, Head, Department of English, ex officio
J. N. Thurston (1966)
C. V. Wray (1966)
W. C. Godlev (1967)
W. R. Hare, Jr. (1967)
R. P. Ashworth (1968)
V. S. Hodges (1968)

Sub-Committee on Concerts

J. H. Butler, ex officio
K. N. Vickery, ex officio
A. J. Kaufmann (1966)
M. S. Steadman (1967)
H. L. Hunter (1968)

NOTE ON UNIVERSITY HONORS PROGRAM.

On the basis of their academic achievement this past year, the Honors Council has invited 69 Clemson upperclassmen to continue in the Honors Program. Fifty-six entering freshmen have been invited to attend the President's Luncheon on August 20 for superior entering freshmen and are eligible to take Honors Courses.

ACADEMIC FACULTY SENATE ROSTER, 1965-1966

<u>Agriculture</u>	<u>Dept.</u>	<u>Campus Address</u>	<u>Campus Telephone</u>	<u>Term Ends</u>
A. L. Shewfelt	FdSci.	216 P&AS	257	1966
M. A. Boone	PltrySci.	134 P&AS	222	1967
J. M. Stepp	AgEcon.	101 Long	338	1967
E. B. Eskew	Agron.	205 P&AS	297	1968
T. L. Senn	Hort.	162 P&AS	220, 360	1968
J. B. Whitney	Bot.	218 Long	329	1968

Architecture

E. A. Gunnin	---	109 Arch	228	1967
Edward Pinckney	---	116 Arch	228	1968
Richard Reep	---	110 Arch	228	1968

Arts and Sciences

J. G. Dinwiddie	Chem.	303 Brackett	235	1966
J. E. Miller	Phys.	103 Physics	253	1966
J. R. Sullivan	Math	206 Engl-Math.	387	1966
C. A. Reed	Phys.	102 Physics	253	1966
Mrs. H. H. Hill	Hist.	L02 Hardin	296	1967
L. L. Henry	Engl.	325 Engl-Math	383, 384	1967
C. Q. Brown	Geol.	102 Geol.	291	1967
H. M. Felder	Engl.	204 Engl-Math.	383, 384	1967
A. T. Hind	Math.	109 Engl-Math	387	1968
Miss Harriet Holman	Engl.	225 Engl-Math.	383, 384	1968
H. G. Spencer	Chem.	106 Brackett	239	1968
M. S. Steadman	Engl.	302 Engl-Math	383, 384	1968
J. P. Winter	Engl.	0-201 Engl-Math	383, 384	1968
H. E. Vogel	Phys.	105 Physics	253	1968

Engineering

W. L. Ball	EE	103 Riggs	227	1966
A. D. Lewis	ME	29 Riggs	229	1966
H. G. Lefort	CerE	Olin	304	1967
J. T. Long	EE	213 Riggs	227	1967
J. D. Antrim	CE	212 CE	246	1968
R. C. Harshman	ChE	203 Earle	357	1968
R. A. Banister	EG	315 Riggs	225	1968

IM-TS

T. A. Campbell	Tex.	305 Sirrine	350	1966
J. J. Porter	Tex	11 Sirrine	335	1967
Joel Richardson	IM	310 Sirrine	350	1968
Sam Willis	IM	103 Sirrine	332	1968

FACULTY SENATE COMMITTEE ORGANIZATION

Dr. J. M. Stepp, Senate President, has announced the following Senate Committee organization for the academic year 1965-66:

Officers: J. M. Stepp (Ag.Ec.), President
A. D. Lewis (M.E.), Vice President
H. M. Felder, Jr. (English), Secretary

Committee on Committees: J. M. Stepp, Chairman (ex officio)

A. D. Lewis (ex officio)
H. M. Felder, Jr. (ex officio)
M. A. Boone (Agriculture)
C. Q. Brown (Arts and Sciences)
J. T. Long (Engineering)
J. E. Pinckney (Architecture)
S. M. Willis (Industrial Management-Textile Science)

Admissions and Scholarship Committee: C. A. Reed (Phys.), Chairman

Senate Members

W. L. Ball (E.E.)
R. C. Harshman (Chem.E.)
A. T. Hind (Math.)
J. J. Porter (Tex.)
R. T. Reep (Arch.)
T. L. Senn (Hort.)
H. E. Vogel (Phys.)
J. P. Winter (English)

Non-Senate Members

C. C. Davis (I.M.)
A. K. Jensen (Ag.Ed.)
M. C. Palmer (Math.)

Policies Committee: H. G. Lefort (Cer.E.), Chairman

Senate Members

R. A. Bannister (E.G.)
E. A. Gunnin (Arch.)
Mrs. H. H. Hill (Hist.)
Miss Harriet Holman (English)
J. E. Miller (Phys.)
J. L. Richardson (I.M.)
J. B. Whitney (Bot.)

Non-Senate Members

J. H. Hobson (Chem.)
J. W. Kennelly (Math.)

Welfare Committee: J. G. Dinwiddie (Chem.), Chairman

Senate Members

J. D. Antrim (C.E.)
T. A. Campbell (Tex.)
E. B. Eskew (Agron.)
L. L. Henry (English)
A. L. Shewfelt (Food Sci.)
H. G. Spencer (Chem.)
M. S. Steadman (English)
J. R. Sullivan (Math.)

Non-Senate Members

C. W. Bolen (Hist.)
J. L. Edwards (M.E.)
G. C. Means (Arch.)

FACULTY ACADEMIC STANDING COMMITTEES, 1965-1966

1. Admissions. The Director of Admissions serves as chairman ex officio and the Registrar is an ex officio member. The committee makes specific recommendations to the President in cases of individual student petitions. The committee deals not only with original admission problems, but with aspects of continuing enrollment.

K. N. Vickery, Chairman

C. M. Jones (agron.)	1966	R. W. Moorman (EM)	1966
C. O. Caskey (Engl)	1966	W. L. Ball (EE & Senate)	1967
E. Gunnin (Arch)	1967	W. Capel (Social Sci.)	1967
W. Gettys (Phys.)	1968	E. S. Olsen (T.C.)	1968
J. H. Moore (C.E.)	1968	R. J. Berry, <u>ex officio</u>	

2. Curricula. Ex officio members are the President of the Faculty Senate, the Director of Admissions, and the Dean of the University, who acts as chairman. Faculty members of the committee are chairmen of school or college curriculum committees. The University Curricula Committee recommends to the Educational Council the addition or deletion of existing curricula and specific changes within curricula.

J. K. Williams, Chairman

J. W. Jones (Agric.)	1966	M. A. Owings (A&S)	1968
Joe Young (Arch.)	1966	A. Newton (Educ.)	1968
T. Campbell (IM-TS)	1967	J. Stepp (AgEc. & Senate)	1966
F. C. Alley (Engr.)	1967	K. N. Vickery (ex officio)	

Academic Deans

3. Ethics and Religion. This committee makes recommendations to the President concerning matters of relationship between the student body and campus and community religious organizations. Committee membership includes the Dean of Student Affairs and his assistants, the ministers of local churches, and the director and associate director of the YMCA. The committee elects its chairman.

E. D. Stockman, Chairman

C. A. Arrington	C. J. Lupo
P. H. Lewis	J. R. Cooper
J. W. Arrington	W. T. Cox
C. E. Raynal	J. K. Williams

4. Faculty Basic Research. This committee has nine faculty members, and two ex officio members, the Comptroller and the Graduate Dean, who serves as chairman. The committee controls expenditures of funds granted to it for use by the faculty in carrying out basic research. Committee funds include income from a gift to the university by the C. W. Kress Foundation, an annual grant from the Alumni Loyalty Fund, and a sum from NSF. Members of the faculty who wish to apply for research grants may do so directly to the Graduate Dean. Grants may be made for publication as well as for research itself.

Victor Hurst, Chairman

M. A. Wilson, <u>ex officio</u>	C. V. Aucoin (Math)	1966
J. E. Miller (Phys. & Res. Cl.)	1966	T. H. Garner (AgEngr.)
1967	B. R. Skelton (Econ.)	1967

C. Gum (Engl)	1967	T. Yang (ME)	1968
G. C. Kingsland (Bot)	1968	J. Porter (TC)	1968

5. Fine Arts Series. In July of this year President Edwards appointed a Fine Arts Series Committee to assist in planning, coordinating, and publicizing these activities. By acting as a clearing agency where ideas and information can be exchanged, the Committee hopes that the cultural environment of the entire university community can be greatly enhanced. It is planned to issue a master calendar of all such events from time to time and to maintain the special announcements for the art exhibitions, the concert series, and the lecture series.

C. B. Green, Chairman

J. K. Williams, <u>ex officio</u>		W. T. Cox, <u>ex officio</u>	
H. E. McClure, <u>ex officio</u>		H. M. Cox, <u>ex officio</u>	
J. H. Butler, <u>ex officio</u>		K. N. Vickery, <u>ex officio</u>	
J. N. Thurston (EE)	1966	C. V. Wray (IM)	1966
A. J. Kaufmann (Arch)	1966	M. S. Steadman (Engl.&Senate)	1967
W. C. Godley (An.Sci. & Res. Council)	1967	W. R. Hare, Jr. (Math)	1967
R. P. Ashworth (Bot)	1968	V. S. Hodges (Arch)	1968
H. L. Hunter (A&S)	1968		

6. Honors and Awards. This committee is composed of eleven members of the faculty and five ex officio members: the chairman of the Honors Program Council, the Director of Admissions, the Dean of Men, the Dean of Women, and the Director of Student Financial Aid. The committee nominates students for special annual awards for academic achievement and arranges the program for the annual University Honors and Awards Day. The chairman of the University Honors Program Council is chairman ex officio of this committee.

C. B. Green, Chairman

L. C. Johnson (USAF)	1966	H. E. Voegl (Phys & Senate)	1966
F. McConnell (USA)	1966	J. V. Walters (Tex.)	1966
J. T. Lazar (DySci)	1967	G. Means (Arch)	1967
S. F. Hulbert (CerE)	1967	J. C. McCormac (CE)	1967
S. O. Park (IM)	1968	N. R. Bauld (EM)	1968
Susan Delony, <u>ex officio</u>		M. Packer (Educ.)	1968
G. E. Coakley, <u>ex officio</u>		A. M. Bloss, <u>ex officio</u>	
		K. N. Vickery, <u>ex officio</u>	

7. Library. A faculty committee (with the Director of the Library as an ex officio member) which recommends library policy to the Dean of the University. The committee elects its chairman.

(Chairman to be elected)

J. C. Fanning (Chem)	1966	C. A. Reed (Phys. & Senate)	1966
J. M. Rush (Bact.)	1966	R. L. Edwards (An Sci & ResCl)	1966
M. A. Owings (Engl)	1967	V. Hodges (Arch)	1967
E. A. LaRoche (IM)	1967	J. Antrim (CE)	1968
R. J. Amundson (Hist)	1968	John Kenelly (Math)	1968
Gordon Gourlay (<u>ex officio</u>)		J. K. Williams (<u>ex officio</u>)	

8. Schedule. A committee (with the Director of Admissions as ex officio chairman) which develops each semester the master schedule of courses taught. Each school or college has appropriate representation.

K. N. Vickery, Chairman

H. E. Broyles (EE)	J. H. Couch (IE)
H. J. Lefort (CerE)	E. A. Gunnin (Arch & Senate)
R. C. Harshman (CheE)	John Lagrone (Math)
E. A. Thompson (Econ)	Max Miller (Phys)
Charles McGee (Engl)	Carl McHugh (EG)
R. F. Nowack (EM)	D. W. Bradbury (ME)
E. B. Rogers (AgEngr)	J. R. Salley (Chem)
I. A. Trively (CE)	J. V. Walters (Tex)
J. B. Whitney (Bot)	F. M. McConnell (USA)
C. C. Davis (IM)	W. C. Bowen (Educ)
D. R. Franklin (USAF)	W. R. Mattox (Reg)

9. Honors Program Council. A Council consisting of nine professors appointed by the Dean of the University. This council recommends policy (including curricula and standards of admission) concerning the University Honors Program. Dr. C. B. Green, Professor of English and Director of Summer Sessions and Extended Programs, is chairman.

C. B. Green, Chairman

A. R. Abernathy (CE)	1966	H. N. Cooledge (Arch)	1966
C. V. Wray (IM)	1966	G. Meenaghan (CheE)	1967
R. P. Ashworth (Bot)	1967	E. P. Stillwell (Phys)	1967
C. W. Bolen (Hist)	1968	A. T. Hind (Math & Senate)	1968
Hugh Watson (Engl)	1968	K. N. Vickery, <u>ex officio</u>	

10. Graduate Council. This Council consists of the Dean of the Graduate School, who acts as chairman, the undergraduate deans (or their designated representatives), and eleven professors nominated for three year terms by the Graduate Dean. This council recommends Graduate School policy to the President via the Dean of the University.

Victor Hurst, Chairman

R. J. Calhoun (Engl)	1966	W. P. Byrd (Agron)	1966
J. T. Long (EE and Senate)	1966	S. Willis (IM)	1966
R. F. Borgman (Fd.Sci. & Biochem.)	1967	J. Kenelly (Math)	1967
J. F. Andrews (CE)	1967	H. Macaulay (econ)	1967
H. Hobson (chem.)	1968	T. R. Adkins (ento)	1968
J. Uldrick (EM)	1968	Academic Deans	

11. Patent Committee. This Committee makes recommendations to the President concerning all University patent matters in accord with the Patent Policy as printed in the Faculty Manual. The Vice President for Business and Finance is Chairman ex officio.

M. A. Wilson, Chairman

F. J. Lindstrom (Chem)	1966	K. N. Helton (B-F)	1966
Chas. Bardsley (Agron)	1967	Jack Mitchell, Jr. (Food Sci. & Biochem.)	1967

Arnold Schwartz (CE& ResCl) 1968	A. D. Lewis (ME & Senate) 1968
Wright Bryan, <u>ex officio</u>	O. B. Garrison, <u>ex officio</u>
Stan Nicholas, <u>ex officio</u>	T. D. Efland, <u>ex officio</u>

12. University Archives. This Committee makes recommendations to the Dean of the University concerning acquisition of materials for the university archives. Dr. R. S. Lambert, Head, Social Sciences Department, is chairman, ex officio.

R. S. Lambert, Chairman

E. M. Lander (hist) 1966	Harriet Holman (Engl & Senate) 1967
J. W. G. Gourlay (Lib), <u>ex officio</u>	Wright Bryan (Adm), <u>ex officio</u>

13. Special Advisory Committee for Disposal of Poisonous Chemicals

Norwood Page (Ag Chem.), Chairman
Henry Polk (Chem)
P. E. Robbins (TC)
Ralph Collins, ex officio

14. Special Advisory Committee on Use of Radioactive Materials

J. G. Dinwiddie (Chem), Chairman
K. Lehotsky (Forestry)
T. D. Efland (IM-TS)
S. G. Nicholas (Engr)

CURRENT ROSTER OF RESEARCH FACULTY COUNCIL

The current membership roster of the Research Faculty Council is printed below. The Council will hold its annual organizational meeting on August 17 and a revised membership list will appear in the September 1 Newsletter.

Current Roster of Research Faculty Council

<u>Name</u>	<u>College or School</u>	<u>Term to Expire</u>
G. R. Craddock	Agr. & Bio. Sci.	1968
R. L. Edwards	Agr. & Bio. Sci.	1966
W. C. Godley	Agr. & Bio. Sci.	1967
Victor Hurst	Agr. & Bio. Sci.	1967
U. S. Jones	Agr. & Bio. Sci.	1968
J. B. Pitner	Agr. & Bio. Sci.	1966
A. L. Shewfelt	Agr. & Bio. Sci.	1966
Tah-Teh Yang	Engr.	1968
Arnold Schwartz	Engr.	1967
M. B. Bishop	A & S	1968
John Miller	A & S	1968
E. S. Olson	IM & TS	1966
David Gentry	IM & TS	1968

Members whose terms expire in 1965:

W. Witcher	Agr. & Bio. Sci.
M. A. Boone	Agr. & Bio. Sci.
A. C. Elrod	Engr.
F. S. Lindstron	A & S
M. J. Skove	A & S
P. E. Robbins	IM & TS

EDUCATIONAL TESTING SERVICE (ETS) ADDS SIXTEEN FOREIGN TESTING CENTERS

Due to the increased interest of foreign students in American graduate schools, the ETS has added 16 foreign testing centers to administer the Graduate Record Examinations (GRE).

Two centers have been opened in Ecuador, and one each in Cameroon, Costa Rica, Egypt, Greece, Guatemala, Honduras, Italy, Liberia, Libya, Nigeria, Sierra Leone, Spain, Thailand, and Venezuela.

During 1965-66, the GRE will be given in 45 foreign countries.

In South Carolina, the GRE will be offered as follows:

<u>Date</u>	<u>Place</u>
Nov. 13, 1965	College of Charleston, <u>Clemson</u> , Univ. of S. C., Conway (Coastal Center, U.S.C.), Furman, Orangeburg State College, Winthrop, Wofford.
Jan. 15, 1966	College of Charleston, Univ. of S. C., Furman, Orangeburg State College, Wofford.
Feb. 26, 1966	University of South Carolina.
Mar. 1, 1966	<u>Clemson</u> (for Clemson seniors only).
Apr. 23, 1966	College of Charleston, <u>Clemson</u> , Univ. of S. C., Wofford.
July 9, 1966	College of Charleston, <u>Clemson</u> , Univ. of S. C., Winthrop.

GRADUATE SCHOOL DEADLINES

Students in the Masters Programs Seeking a Degree in December, 1965

Aug. 31	Final date for filing GS4, "Admission to Candidacy for a Degree"
Sept. 4	Foreign Language Exams
Sept. 21	Last day to order a diploma
Dec. 4	Final date for oral and/or written examinations.
Dec. 11	Final date for submitting theses to the Graduate Office.

Students in Doctoral Programs Seeking a Degree in May, 1966

Sept. 4	Foreign Language Exams
Sept. 14	Final date for filing GS4, "Admission to Candidacy for a Degree"

Students in Doctoral Programs Seeking a Degree in August, 1966

Sept. 4	Foreign Language Exams
Dec. 4	Foreign Language Exams
Dec. 13	Final date for filing GS4, "Admittance to Candidacy for a Degree"

GRADUATE STUDENT FOREIGN LANGUAGE EXAMINATIONS

Foreign Language Exams will be given Sept. 4, 1965, Dec. 4, 1965, Apr. 30, 1966, and June 11, 1966.

All exams will be held from 1:30-3:30 p.m. in Room #208 of the English, Math, Physics Complex.

DANFORTH GRADUATE FELLOWSHIPS FOR COLLEGE TEACHING CAREERS, 1966-67

These are fellowships open to men and women who are seniors or recent college graduates who have a serious interest in college teaching as a career.

Awards are for one year and are renewable for a total of four academic years of graduate study. Stipends are \$1800 for single students and \$2200 for married students plus dependency allowances for children. Required tuition and fees are also paid by the Foundation.

Nominations close Nov. 1 and must be completed except for the Graduate Record Examination which, according to the Foundation, must be taken on November 13. Exams will be given at Clemson on that date.

Interested persons should contact the Graduate Dean's Office.

NATIONAL SCIENCE FOUNDATION POSTDOCTORAL FELLOWSHIPS

Awards of National Science Foundation Postdoctoral Fellowships will be made for study or work in the mathematical, physical, medical, biological or engineering sciences, anthropology, economics, geography, the history and philosophy of science, linguistics, political science, psychology, and sociology. Also included are interdisciplinary areas which are comprised of overlapping fields among two or more sciences (for example, geochemistry, meteorology, and oceanography). The fields of research and study covered by these awards are limited to those which conform to accepted standards of scientific inquiry by fulfilling the requirements of the basic scientific method as to objectivity, verifiability and generality. Fellowships are not awarded for support of study or work toward the M.D., D.D.S., or D.V.M. degree nor for study or work in business administration, clinical medicine, clinical psychology or social work.

Closing date for receipt of applications, Sept. 7, 1965. Apply to:

The Fellowship Office
National Academy of Sciences
National Research Council
2101 Constitution Ave., N. W.
Washington, D. C. 20418

There will be information in the next Newsletter regarding:

1. Senior Postdoctoral Fellowships.
2. Postdoctoral Fellowships in Science.
3. Science Faculty Fellowships.

NEW FACULTY AND STAFF

Those members of the faculty and staff who joined the University during the period September 1, 1964 - July 1, 1965 are:

Abbott, Dorothy (Miss), Secretary to the President; A. B. Lander College; 37-B Daniel Drive.

Anderson, John R., Counselor; B.S. Roanoke College, M.A. Virginia Polytechnic Institute; Married; 37-A Daniel Drive.

Baker, Arthur W., Assistant Coach, Athletic Department; B.A. Presbyterian College; Married; Hunter Avenue, Briarwood.

Black, John O., Jr., Assistant in Seed Certification, B.S. and M.S. Clemson University; Married; Route 1, West Union, S. C.

Breedin, B. B., Jr., University Editor; A.B. Washington and Lee University; Married; 122 Strode Circle.

Burt, Philip B., Assistant Professor of Physics; A.B., M.S. and Ph.D. University of Tennessee; Married; 102 Fort Rutledge Road.

Childers, Virgil O., Assistant in Agricultural Chemical Services; B.S. Limestone College; Married; 10-D Daniel Drive.

Clayton, Edgar H., Director of Planning and Sponsored Research; B.S. Colorado School of Mines; Married; 213 Tamassee Drive.

Dillard, Gary E., Assistant Professor of Botany; B.S. and M.S. Southern Illinois University; Ph.D. (January 1966) N. C. State University at Raleigh; Married; 30-B Martin Street.

Griffin, E. W. (SFC), Assistant Instructor of Military Science; Married; Riding Road.

Guggino, Joseph G., Resident Counselor; B.S. Furman University, M.S. Clemson University; Married; 207 Riggs Drive.

Hannah, Winzlo G. (S/Sgt.), Assistant Instructor of Military Science; Married; 103 Sumney Street.

Hardin, Thurman Craig, Professor and Department Head, Mechanical Engineering; B.S. and M.E. University of Tennessee, M.S. and M.E. Virginia Polytechnic Institute, Ph.D. Georgia Tech; Married; Folger Street.

Howard, F. J., Jr., Assistant in Agronomy; B.S. Clemson University; Single; 102 Bradley Street.

Jameson, Ross Arden, Assistant in Agronomy; B.S. and M.S. Clemson University; Married; Route 1, Box 169A, Liberty, S. C.

Lee, John Wallace, Resident Manager of The Clemson House; B.S. University of Alabama; Single; The Clemson House.

Mullins, Joseph C., Assistant Professor of Chemical Engineering; B.S., M.S. and Ph.D. Georgia Tech; Married; 218 Grove Drive.

Nelson, Otis D., Assistant Secretary of the YMCA; A.B. University of Alabama, B.D. and M.R.E. Louisville Theological Seminary; Married; Riding Road.

Ramsay, Ralph H., III, Instructor in Agricultural Engineering; B.S. and M.S. Clemson University; Married; 34-B Daniel Drive.

Robinson, Bobby Hugh, Agricultural Economist USDA; B.S. Berea College, M.S. N. C. State University at Raleigh (Pending); Married; 406 Skyview Drive.

Sullivan, Paul B., Alumni Editor; A.B. University of Georgia; Married; 8-A Daniel Drive.

Thomas, Charles A., Extension Entomologist; B.S. and M.S. Clemson University, Ph.D. University of Tennessee (December 1965); Married; 213 Augusta Road.

Venkatu, Doulatabad A., Assistant Professor of Metallurgical Engineering; DII Sci. Indian Institute of Science, B.S. University of Mysore, M.S. and Ph.D. Notre Dame; Single; Wigington Street.

Wallace, Alfred T., Assistant Professor of Civil Engineering, B.S. Rutgers University, M.S. and Ph.D. University of Wisconsin; Married; Route 3, Anderson, S. C.

Faculty and Staff who have joined the University since July 1, 1965, are:

Adams, Hewitt D., Instructor in History; B.S. U. S. Naval Academy, M.A. Claremont Graduate School; Married

Anderson, Robert A., (Major), Assistant Professor of Military Science; B.A. University of Omaha; Married.

Arbena, Joseph L., Instructor in History; A.B. George Washington University; Single; 3-D North Palmetto Boulevard.

Bost, William Vic , Instructor in English; A. B. and M. A. University of North Carolina; Single.

Bowers, Lucy Wynne (Miss), Instructor in English; B. A. Furman University; M. S. Duke University.

Brawley, Joel V., Jr., Assistant Professor of Mathematics; B. S., M. S. and Ph. D. N. C. State University at Raleigh; Married; 205 Willow Springs Road.

Bremer, Ruth (Mrs.), Assistant in Nursing; Nursing education at University of South Carolina; Route 1, Anderson, S. C.

Britton, Joseph D., (1st. Lt.), Assistant Professor of Military Science; B. S. University of Mississippi; Single.

Burleson, Charles A., Associate Professor of Agronomy; B. S. and M. S. Texas A & M University, Ph. D. Clemson University; Married; 110 Karen Drive.

Cargill, James D., Resident Counselor; B. S. Troy State College, M. A. University of Alabama; Single; Section A Dormitory, Men's Residence Hall.

Chapman, William Fred, Jr., Assistant Professor of Agricultural Economics; B. S. and M. S. Clemson University, Ph. D. University of Florida; Married; 104 Carolus Drive.

Coleman, H. L., Computer Programmer; B. S. Clemson University; Single; 111 Strawberry Lane.

Coleman, Roy Lloyd, Instructor in French; A. B. University of North Carolina; Single.

Corder, Miriam I. (Mrs.), Health Nurse and Assistant to the Director of Nursing; Roper Hospital, Charleston; 116 Blair Road, Belton, S. C.

Corley, Carolyn Lucille (Mrs.), Resident Counselor; Women's Residence Hall #2.

Crawford, Jon C. (Captain), Assistant Professor of Military Science; B. A. North Georgia College; Married; 102 Dogwood Drive.

Dickey, Joseph Freeman, Assistant Professor of Dairy Science; B. S. and M. S. N. C. State University at Raleigh, Ph. D. Penn State; Married; 100 Riding Road.

DuVal, John Calmes, Assistant Professor of Speech; B. A. and M. A. University of Arkansas; Married; 19-A Daniel Drive.

El-Behery, Hassan Mohammed, Visiting Lecturer in Textile Science; B. S. and M. S. Alexandria University, Ph. D. Manchester College of Science and Technology; Married.

Fraker, John Richard, Instructor in Industrial Engineering; B. S. and M. S. University of Tennessee; Married; 231 Grove Drive.

Garrett, James Thomas, Assistant Chemist in Fertilizer Inspection & Analysis Department; B.S. Clemson University; Married; 232 Maple Boulevard.

Gilbert, Ann G. (Miss), Psychometrist, Counseling Office; A.B. University of Georgia; 7-D Daniel Drive.

Gunter, Edith G. (Miss), Instructor in Nursing; B.S.N. Duke University; 401 Masters Drive, Anderson, S. C.

Harris, Ransom Baine, Assistant Professor of Philosophy and Religion; B.A. University of Richmond, B.D. Southern Baptist Theological Seminary, M.A. Emory University and Ph.D. Temple University; Married; 226 Maple Boulevard.

Hash, John Alex, Assistant Professor of Agricultural Education; B.S. Virginia Polytechnic Institute, M.S. Cornell University; Married.

Heaton, Ralph B., Jr., Instructor in English; B.A. Furman University, M.A. University of Virginia; Single.

Henson, Joseph L., Lecturer in Science (Nursing); B.S. Bob Jones University, M.S. Clemson University; Married; Box 34467 Greenville, S. C.

Hill, Robert White, Instructor in English; A.B. and M.A. University of North Carolina; Single; 15-A Pendleton Road.

Jackson, Joseph Earl, Instructor in Music Education; A.B. Carson-Newman College, M. A. East Carolina; Married.

Jameson, Amelia V. (Mrs.), Assistant in Nursing; A.S.N., Anderson Memorial Hospital; 804 Camfield, Anderson, S. C.

Knapp, Ronald James, Instructor in Sociology; A.B. Albion College, M.A. Bowling Green State University; Married; 39-B Daniel Drive.

Kwak, NoKyoan, Assistant Professor of Industrial Management; B.A. California Western University, M.A. and Ph.D. University of California; Married; 25-A Barre Street.

Lakshmi-Bai, Chintakindi, (Mrs.), Assistant Professor of Electrical Engineering; B.A. Mysore University, M.S. University of Wisconsin, Ph.D. Indian Institute of Science; 8-C Daniel Drive.

MacLachlan, Peter (Captain), Assistant Professor of Military Science; B.S. United States Military Academy; Single; 2-D Palmetto Boulevard.

Malcolm, Jack F., S/Sgt., Air Science Staff; Married; 213 Willow Springs Road.

McNatt, Jo Ann (Miss), Instructor in French and Spanish; A.B. Furman University, M.A. Emory University; 104 Riggs Drive.

Morgan, Richard P., Instructor in History; A.B. Western Reserve University, M.A. Indiana University; Married; 9-E Daniel Drive.

Nolan, Clifford N., Extension Agronomist, Weed Control; B.S. University of Florida, M.S. University of Georgia and Ph.D. University of Florida; Married; 206 Skyview Drive.

Patel, Kantilal M., Assistant Professor of Mathematics; B.S. University of Baroda, India; M.S. University of Chicago and Ph.D. Florida State University; Single.

Peutl, Ernst, Assistant Professor of German; M.S. and Ph.D. University of Vienna; Married; 7-A Daniel Drive.

Pregnall, Jane E. (Mrs.), Assistant in Nursing; B.S. University of S. C.; 32-R Dunavan Road.

Prevost, Aileen S. (Mrs.), Assistant Professor of Nursing; BSN Queens College, M.N. Emory University; 702 Winsor Avenue, Anderson, S. C.

Prins, Rudolph, Assistant Professor, Entomology and Zoology; B.A. Calvin College, M.A. Western Michigan University, Ph.D. University of Louisville; Married; 202 Skyview Drive.

Proctor, Thomas Gilmer, Assistant Professor of Mathematics; B.N.E., M.S. and Ph.D. N. C. State University at Raleigh; Married; 40-B Daniel Drive.

Richardson, Melvin K., Assistant Professor of Engineering Mechanics; B.S. Clemson University, M.S. N. C. State University at Raleigh, Ph.D. University of Alabama; Married; 39-A Daniel Drive.

Robbins, Richard C. (Lt. Col.), Assistant Professor of Military Science. (Col. Robbins has served on the Staff of the Army ROTC previously.) B.B.A. University of Texas; Married.

Rudisill, Carl S., Assistant Professor of Mechanical Engineering; B.S., M.S. and Ph.D. N. C. State University at Raleigh; Married; Crestwood Drive.

Savitsky, George Boris, Associate Professor of Chemistry; B.S. Aurora University, Ph.D. University of Florida; Married; 207 Brook Street.

Seo, Kenzo, Associate Professor of Mathematics; B.S. Tokyo University, M.S. and Ph.D. Purdue University; Married; 518 Skyview Drive.

Shannon, Russell D., Instructor in Economics; B.A. Duke University, M.A. Tulane University; Single; 9-B Daniel Drive.

Sobczyk, Andrew F., Professor of Mathematics (S. Maner Martin Professorship); B.A. University of Minnesota, M.A. University of Minnesota, Ph.D. Princeton University; Married; 109 Hillcrest.

Sorrells, Robert T., Assistant Professor of English; B.A. and M.A. Vanderbilt University, M.F.A. State University of Iowa; Married; 209 Wyatt Avenue.

Sullivan, Sophia (Miss), Head Social Sciences and Humanities Division of Library, A.B. Presbyterian College, B.S. in L.S. Library School of George Peabody College for Teachers, M.S. in L.S. Library School of University of Illinois

von Rosenberg, Joseph Leslie, Assistant Professor of Chemistry; B.A. University of Texas, Ph.D. University of Texas; Married; 230 Grove Drive.

Washburn, James R., Assistant Professor of Architecture; B.Arch. N. C. State University at Raleigh, M.Arch. Harvard; Single; 522 S. Main St., Greenville, S. C.

Watts, Arthur E. (SFC), Instructional Assistant in Military Science; Married; 7 Robin Hill.

Weeks, James H. (Captain), Assistant Professor of Military Science; B.S. Iowa State College; Married.

Wells, Joseph W., Associate Professor of Architecture; B.Arch. Cornell University, Diploma, Fontainebleau School of Fine Arts; M.Arch. Ecole des Beaux Arts; Married; Tryon, N. C.

Wilcox, Lyle C., Associate Professor of Mechanical Engineering; B.S. Tri-State College; M.S. and Ph.D. Michigan State University; Married; 205 Highland Drive.

Willard, William K., Assistant Professor of Entomology and Zoology; A.A. Haaerstown Junior College, B.S.F. University of Georgia, M.S. and Ph.D. University of Tennessee; Married; 100 Fort Rutledge Road.

Williams, Lida H. (Mrs.), Acting Director of Nursing Education; B.S.N.E. Western Reserve University; Route 2, Belton, S. C.

Willis, Virginia Lee (Miss), Lecturer in Spanish; B.A. Furman University; 114 Earle Street.

Young, Eleanore M. (Mrs.), Assistant in Nursing; B.S. Hunter College; 520 Salem Street, Anderson, S. C.

FACULTY SENATE AND RESEARCH COUNCIL MEETINGS

Academic and research faculty members are reminded that regular meetings of the Academic Senate are held at 4:15 p.m. each first Thursday of each month in Olin Hall Auditorium; and regular meetings of the Research Faculty Council are held at the same place at 4 p.m. each third Tuesday of each month.

SPECIAL BOARD OF TRUSTEES ACTION

The following Board action, effective this month, has been transmitted to President Edwards and is printed here as information:

POLICY CONCERNING CONDUCT OF STUDENTS AND
EMPLOYEES OF CLEMSON UNIVERSITY

The Board of Trustees is cognizant of the occurrences of disorders on some campuses of colleges and universities in which students, employees and persons not affiliated with the institution have participated. These disorders have been manifested by acts of violence, unlawful use and misappropriation of institutional property and facilities, criminal acts and public acts which reflect adversely on the maintenance of discipline and on the good name and reputation of the institution, its student body and faculty. Such conduct on the part of a small minority of the institutional family does irreparable damage to the learning processes and undermines public confidence in the effectiveness of the institution in its contribution to higher education. All of these or similar acts or disorders are specifically interdicted by the Board of Trustees.

The Board of Trustees recognizes there is a valid function performed by faculty and student body alike in considering and supporting any and all issues controversial or noncontroversial within the framework of orderly, peaceful and lawful decorum, demeanor and processes. It is not intended in any way to discourage or trammel freedom of speech, including constructive criticism, expression of grievances or petition for redress or wrongs, real or fancied, so long as that right is exercised in a lawful and peaceful manner.

The Board of Trustees is charged by law with the responsibility of making rules and regulations for the University, and establishing policy governing the conduct of the University, its employees and student body. The President of the University is elected by the Board of Trustees to serve at its pleasure. He is the chief executive officer entrusted by the Board of Trustees with the execution of its policies and the internal government and administration of the University.

The Board of Trustees orders and directs the President of the University to administer and enforce its policies as herein announced. In carrying out this responsibility he is vested with authority to take such disciplinary action as in his judgment the circumstances warrant.

CLEMSON UNIVERSITY
MAJOR SOURCES OF FUNDS OF CURRENT OPERATIONS
AND PERMANENT IMPROVEMENTS

Clemson University, a State supported institution, is required to operate on the "balanced budget" principle. The University is not permitted to accumulate surplus operating funds or to authorize operating expenditures in excess of currently available funds. The five major fund divisions of the University are as follows: (1) Educational and General - includes Teaching and Maintenance, Auxiliary Enterprises, and Affiliated Activities, (2) Agricultural Research, (3) Agricultural Extension Service, (4) Livestock-Poultry Health Department, and (5) Fertilizer Inspection and Analysis Department.

Most of the funds for Teaching and Maintenance Activities are derived from State appropriations and student fees. Auxiliary Enterprises and Affiliated Activities are self-supporting. The Agricultural Research Division receives the major portion of its operating funds from State and federal appropriations, and the sale of farm products. The Agricultural Extension Service is supported by State and federal appropriations, and county supplements. The Livestock-Poultry Health Department^{1/} and the Fertilizer Inspection and Analysis Department depend on State appropriations for operational funds.

In general, funds for construction of the library, classroom buildings, laboratories, and service facilities on the campus are derived from the sale of Institutional Bonds which by law are amortized by tuition fees. The Olin Foundation very graciously provided the funds for Olin Hall and Earle Hall. Off-campus facilities (Experiment Station and Livestock-Poultry Health Department) have been provided by State appropriations. Funds for construction of dormitories, married student housing and faculty housing, are derived from the sale of revenue bonds which are amortized by income received for use of these facilities.

^{1/} The federal government operates a parallel service within our State Livestock-Poultry Health Laboratory. This federal service is fully coordinated with our State service by a State-Federal Director.

CLEMSON UNIVERSITY

FINANCIAL RESOURCES AND BUDGET ESTIMATES

The following are summaries of current operating budgets of the five major divisions and estimates of revenues earmarked by law for permanent improvements for the fiscal year beginning July 1, 1965, and ending June 30, 1966:

SUMMARY OF BUDGET ESTIMATES

A. FUNDS FOR CURRENT OPERATIONS

1. Educational and General:

(a) Teaching and Maintenance	\$ 6,904,462.00
(b) Auxiliary Enterprises	2,051,003.00
(c) Affiliated Activities	2,451,917.00
2. Agricultural Research	3,104,089.00
3. Agricultural Extension Service	3,651,915 00
4. Livestock-Poultry Health Department	391,020.00
5. Fertilizer Inspection and Analysis Department	<u>101,278.00</u>
Total	\$ 18,655,684.00

B. FUNDS FOR PERMANENT IMPROVEMENTS

(Revenues earmarked by law for payment on bond debt and notes)

1. Tuition and Matriculation Fees	\$ 983,000.00
2. Library Fees	110,000.00
3. Student Housing Fees	583,435.00
4. Faculty Housing Rental	143,832.00
5. Receipts from Sale of Water	43,690.00
6. Football Stadium Fees	<u>20,000.00</u>
Total	\$ 1,883,957.00

GRAND TOTAL ESTIMATED REVENUES AND EXPENDITURES.. \$ 20,539,641.00

CLEMSON UNIVERSITY

SUMMARY OF ESTIMATED OPERATING FUNDS AVAILABLE
AND EXPENDITURES - FISCAL YEAR 1965-661. (a) Teaching and Maintenance:Estimated Available Funds

State Appropriations:

Teaching and Maintenance	\$4,881,577.00
Engineering Research	70,000.00
Teaching and Research in Water and Sewage	10,000.00
Federal Funds (Morrill-Nelson)	128,315.80
Endowment Funds	9,266.36
Sales Electric Current and Water	196,310.00
Maintenance and Activity Fees	1,155,000.00
Summer Term Fees	190,000.00
Other Miscellaneous Income	263,992.84
Total Estimated Income	<u>\$6,904,462.00</u>

Estimated Expenditures:

Salaries	\$4,865,715.00
Wages and Special Payments	577,782.00
Supplies, Expenses and Equipment	1,110,965.00
Coal and Electric Current	350,000.00
Total Estimated Expenditures	<u>\$6,904,462.00</u>

(b) Auxiliary Enterprises:Estimated Receipts from Dining Hall,
Dormitories, Married Student

Housing, Hospital and Laundry	\$2,051,003.00
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Estimated Expenditures:

Salaries	\$ 169,992.00
Wages and Special Payments	522,538.00
Supplies, Expenses, and Equipment	1,358,473.00
Total Estimated Expenditures	<u>\$2,051,003.00</u>

(c) Affiliated Activities:Estimated Receipts from Athletic
Contests, Book Store, Canteen,
University Housing, Y.M.C.A.
Fellowship Grants, Sponsored
Research, and fees allocated
to Student Organizations

\$2,451,917.00

Estimated Expenditures:

Salaries	\$ 492,459.00
Wages and Special Payments	378,067.00
Supplies, Expenses, and Equipment	1,581,391.00
Total Estimated Expenditures	<u>\$2,451,917.00</u>

a/ Does not include tuition and matriculation fees. Such fees, by law, must be forwarded to State Treasurer to pay principal, interest, and form necessary reserve on State Institution Permanent Improvement Bonds. Also excludes fees allocated to student organizations.

2. Agricultural Research:

Estimated Available Funds:

State Appropriation	\$1,317,719.00
Sale of Farm Products	400,000.00
Federal Funds	1,026,370.00
Small Grants and Other Sources	360,000.00
Total Estimated Income	<u>\$3,104,089.00</u>

Estimated Expenditures:

Salaries	\$1,736,190.00
Wages	648,900.00
Special Payments	4,000.00
Supplies, Expenses, and Equipment	584,999.00
Permanent Improvements	130,000.00
Total Estimated Expenditures	<u>\$3,104,089.00</u>

3. Agricultural Extension Service:

Estimated Available Funds:

State Appropriation for Extension Work	\$1,332,957.00
State Appropriation for 4-H Club Camps.....	7,200.00
Federal Funds	2,125,484.00
County Funds	175,546.00
Other Funds.....	10,728.00
Total Estimated Expenditures	<u>\$3,651,915.00</u>

Estimated Expenditures:

Salaries	\$2,947,402.00
Wages	35,193.00
Supplies, Expenses and Equipment	662,120.00
Maintenance of 4-H Club Camps	7,200.00
Total Estimated Expenditures	<u>\$3,651,915.00</u>

4. Livestock-Poultry Health Department:

Estimated Available Funds:

State Appropriation	\$ 391,020.00
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Estimated Expenditures:

Salaries	\$ 225,914.00
Wages	10,712.00
Special Payments	40,913.00
Supplies, Expenses and Equipment	98,481.00
Indemnities	15,000.00
Total Estimated Expenditures	<u>\$ 391,020.00</u>

5. Fertilizer Inspection and Analysis Department:

Estimated Available Funds:

State Appropriation	\$ 101,278.00
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Estimated Expenditures:

Salaries	\$ 64,668.00
Wages	16,892.00
Supplies, Expenses and Equipment	19,718.00
Total Estimated Expenditures	<u>\$ 101,278.00</u>

CURRICULA AVAILABLE AT CLEMSON UNIVERSITY: AUGUST, 1965

<u>UNDERGRADUATE FIELDS</u>	<u>GRADUATE FIELDS</u>	<u>GRADUATE DEGREES OFFERED</u>
Agricultural economics	Agricultural economics.....	M.S., Ph.D.
Agricultural education	Agricultural education.....	M.Ag.Ed.
Agricultural engineering	Agricultural engineering.....	M.S.
Agronomy	Agronomy.....	M.S., Ph.D.
Animal Science	Animal physiology.....	Ph.D.
Architecture ¹	Animal science.....	M.S.
Arts and sciences ²	Architecture.....	M.Arch.
Biology	Bio-engineering.....	Ph.D.
Building construction ¹	Ceramic engineering.....	M.S.
Ceramic engineering	Chemical engineering.....	M.S., Ph.D.
Chemical engineering	Chemical physics.....	Ph.D.
Chemistry	Chemistry.....	M.S., Ph.D.
Civil engineering ³	Civil engineering.....	M.S., Ph.D.
Dairy science	Dairy science.....	M.S.
Electrical engineering	Economics.....	M.A.
Entomology	Electrical engineering.....	M.S.
Food science	Engineering management.....	Ph.D.
Forestry	Engineering mechanics.....	M.S., Ph.D.
Geology	English.....	M.A.
Horticulture	Entomology.....	M.S., Ph.D.
Industrial education	Environmental Systems Engr.....	M.S., Ph.D.
Industrial engineering	Forestry.....	M.S.
Industrial management	History (U.S.).....	M.A.
Mathematics	Horticulture.....	M.S.
Mechanical engineering	Industrial education.....	M.Ind.Ed.
Medical technology ⁴	Industrial management.....	M.S.
Metallurgical engineering	Materials engineering.....	Ph.D.
Nursing ⁶	Mathematics.....	M.S., Ph.D.
Physics	Mechanical engineering.....	M.S., Ph.D.
Poultry science	Microbiology.....	M.S.
Pre-dentistry	Nutrition.....	M.S., Ph.D.
Pre-medicine	Physics.....	M.S., Ph.D.
Pre-pharmacy	Plant pathology.....	M.S., Ph.D.
Pre-veterinary	Plant physiology.....	M.S.
Science teaching	Poultry science.....	M.S.
Secondary school teaching	Secondary school teaching ⁷	M.Ed.
Textile chemistry	Textile chemistry ⁵	M.S.
Textiles	Water resources engineering.....	M.S., Ph.D.
	Zoology.....	M.S.

1. five-year curricula.

2. B.S. and B.A. degrees.

3. four and five-year curricula.

4. four-year degree in cooperation with Greenville, Anderson and Spartanburg General Hospitals.

5. Ph.D. offered as a major field in Chemistry Department.

6. Two-year program leading to the Associate in Science Degree.

7. Offered in English, history, mathematics and science.

Personal Mention, continued

--H. H. Macaulay (econ) will serve as a member of the Southern Association of Colleges and Schools evaluation team to visit Trinity University in November. J. K. Williams (Adm.) will chair the evaluation team which is to visit Duke University in October.

--T. L. Senn (Hort.) has been selected by the American Chemical Society to serve on a jury of twelve persons to select the winner of the Charles F. Spencer Award. This award recognizes meritorious contributions to the field of agricultural and food chemistry, and is administered by the Kansas City Section of the American Chemical Society.

--Virginia O. Bardsley (Hist.) has edited "Frederick Diary: September 5-14, 1862," in the Maryland Historical Magazine (June, 1965).

--C. W. Bolen (hist) represented Clemson at the summer meeting of the S. C. Education Department's seminar on teaching history in the high schools.

--Harlan E. McClure (Arch.) has just been appointed to a six year term on the six man National Architectural Registration Board. This board is composed of four distinguished architectural practitioners and two architectural educators. Dean McClure will replace the former president of the board, Dean Robert Dietz of the College of Architecture, Washington University, Seattle, Washington.

--George von Tungeln (Ag econ) presented a paper "Grade-Price and Market-Support Price Relationships for Flue-Cured Tobacco" at the annual meeting of the Tobacco Workers Conference held at the University of Kentucky, July 12-15.

--Marian Watson and Mattie Lowery (extension) have been granted leave to undertake graduate study.

--Dr. Kin-ichi Uchigasaki of Tokohu University, Sendai, Japan will hold a post-doctoral appointment in the Department of Chemical Engineering for the academic year 1965-66. He will work with F. C. Alley on problems in Advanced Waste Treatment.

--W. D. Trevillian (IM-TS) delivered the keynote address, "Executive Self-development" for the summer meeting of the South Carolina Hospital Association, July 29, at Myrtle Beach.

--The Color Measurement Seminar, held the week of June 14-18, at the School of Industrial Management and Textile Science, enrolled 50 students. E. S. Olson was coordinator of the program.

--David R. Gentry (IM-TS) attended the International Standards Organization and also visited colleges and research institutes in England, June 18 to July 3, 1965. The trip was sponsored by the J. E. Sirrine Textile Foundation.

--James Riley Hill, Jr. (AnSci) has completed the requirements for the Ph.D. degree in Animal Science at North Carolina State University, Raleigh, North Carolina, and the degree was awarded this month.

--Harlan E. McClure (Arch.) as a member of the Board of the National Council of Arts in Education will attend the National Board Session in Philadelphia relative to the "National Arts and Humanities Foundation" which is being established by the government to parallel the NSF.

PERSONAL MENTION

--L. T. Fitch (EE) has been granted leave of absence to do graduate study.

--Three members of the Chemistry faculty have been granted academic tenure, effective August 20. They are Mrs. Muriel Bishop, J. C. Fanning, and N. P. Marullo.

--A. S. Tombes (Ent) has been granted leave of absence to accept a NIH post doctoral fellowship at the University of Virginia.

--C. R. Mitchell (EE) has been granted leave of absence to do graduate study.

--W. C. Godley (An.Sci.) has been elected Chairman of the Research Faculty Council for 1965-66. A. E. Schwartz (CE) has been elected vice-chairman and E. S. Olson (IM-TS) has been elected secretary.

--J. W. G. Gourlay (library) will be a member of the Southern Association of Colleges and Schools evaluation team which will visit Texas Western College, October 17-20.

--L. D. Huff (phys) represented Clemson at the July Oak Ridge Institute on the impact of science on society.

--A. L. Shewfelt (Food Sci-Biochem) presented two papers to the Annual Conference of the Canadian Institute of Food Technology, held in Winnipeg, Canada, June 9-11, 1965. The papers were entitled "Anthocyanins in Plant Products" and "Some Bio-chemical Aspects of Space Feeding."

--L. G. Rich (Engr) was a member of a Public Health Service team visiting the University of Colorado early this summer.

--A. W. Snell (AE) received one of the five 1965 ASAE Paper Awards at the 1965 Annual Meeting of the American Society of Agricultural Engineers held in Athens, Georgia June 20-23. These awards are made annually from papers of Engineering merit published in any of the twelve issues of AGRICULTURAL ENGINEERING or any issue of TRANSACTIONS OF THE ASAE during the calendar year. The paper was entitled "Four-Well Method of Measuring Hydraulic Conductivity in Saturated Soils".

--T. H. Garner and R. E. Williamson (AE) presented a paper on "A Progress Report on Herbicide Incorporation Studies" at the 1965 Annual Meeting of the American Society of Agricultural Engineers in Athens, Georgia, June 20-23.

--L. O. Drew and T. H. Garner (AE) and Alex Kish (USDC) presented a paper on "Influence of Soil Crusting on Seedling Emergence and Factors Contributing to Crusting" at the 1965 Annual Meeting of the American Society of Agricultural Engineers in Athens, Georgia, June 20-23.

--W. A. Balk (AE - Edisto Station) presented a paper on "Factors Affecting Pellet Mill Performance with Coastal Bermudagrass" at the 1965 Annual Meeting of the American Society of Agricultural Engineers in Athens, Georgia, June 20-23.

--C. E. Bardsley (Agron) is a contributor to the recently published 2 volume monograph, "Methods of Soil Analysis", published by the American Society of Agronomy.

GIFTS AND GRANTS

The gifts and grants listed below have been announced since the last issue of the Newsletter was printed.

- from the Public Health Service (NIH) to the College of Engineering, \$90,822 for graduate training programs in water supply and pollution control.
- from HEW (graduate facilities) \$509,170 to assist in the construction of the new Library.
- from the Belle W. Baruch Foundation, \$21,000 for a professorship in forestry and four graduate fellowships in the plant science areas.
- from the Agricultural Research Service, USDA, \$50,830 to E. W. King (ento) for two research projects dealing with the nature and significance of weather as a tool for prediction and behavior of field populations of insects.
- from the American Dairy Association to the Dairy Science Department, \$5,800 for research in consumer acceptance of modified whole milk.
- from the Babcock and Wilcox Company to the College of Engineering, \$1,100 for unrestricted use.
- from Humble Oil Company to the College of Engineering, \$2,500 for unrestricted use.
- from the S. C. Heart Association to J. W. Huffman (Chem.), \$2,750 for research in natural products of the state.
- from the Clemson Alumni Loyalty Fund, \$10,000 for graduate fellowships; \$11,400 for undergraduate scholarships; \$4,500 for professorships; \$10,000 for faculty recruitment purposes; and \$1,000 for student government.
- from Bobbs-Merrill Company to the library, 65 volumes, mainly in the Humanities.
- from NSF, \$15,222 to the University for "improvement of science programs."
- from the Bell Telephone Company, \$2,092 to Electrical Engineering for purchase of equipment.
- from NSF to G. M. and J. K. Armstrong, \$5,000 for a continuation of their study, "Host Relationships of the Pathogenic Fusaria."
- from Diamond Alkali Company, \$500 to botany for fungicide research.
- from Southern Forest Disease and Insect Research Council, \$1,769 to entomology for research on "Biological Impact of Checkered Beetles (Coleoptera: Cleridae) on Populations of Pine Bark Beetles".
- from Elanco Products, Eli Lilly and Company, \$500 to horticulture for evaluation of certain chemical as herbicides for production of vegetable crops.

--from Chemagro Corporation, \$1,000 to entomology for application of pesticides on beets, tobacco and peaches for residue determinations.

--from Carolinas Golf Course Superintendent's Association, \$250 to botany for evaluation of turf varieties for possible use in South Carolina and North Carolina.

--from Carolina Golf Association \$1,000 to botany for construction, establishment and maintenance of multi-grass putting green.

--from Rohm and Haas Company, \$500 to botany for fungicide experiments on peaches and plums.

--from Crystal Ice Company of Columbia, Inc., \$3,600 to horticulture for test marketing of frozen peaches in institutional size containers.

--from Shell Chemical Company, \$2,000 to entomology for research on use of insecticidal chemicals.

--from Skod Company, \$2,800 to horticulture for evaluation of seaborne Norwegian seaweed products in growing of horticultural crops.

--from S. C. Commission of Forestry, \$255 to agricultural chemical services to conduct soil samples from forest tree nurseries.

--from Stauffer Chemical Company, \$500 to entomology for research with technical methyl Trithion for the control of boll weevils.

--from USDA, Economic Research Service, \$46,000 to L. E. Talbert (Ag.Econ.) for a "Study of the Economic and Sociological Effects of Rural Poverty in Eastern Coastal Plain Area of South Carolina."

--from USDA, Economic Research Service, \$35,880 to E. B. Rogers (Ag.Engr.) for a study on "Determining Input Requirements for Canning and Freezing Vegetables in Southern Region".

--from USDA, Economics Research Service, \$10,000 to E. P. Butler (USDA--Ag.Econ.) for "Analysis of Variation in Value of Agricultural Land in Cotton-Producing Areas of the South Carolina Coastal Plain".

--from USDA, Agricultural Research Service, \$33,000 to agricultural engineering for "Investigations on Design and Effectiveness of Electric Light Traps for Control of Hornworms and Other Tobacco Insects."

--from USDA, Agricultural Research Service, \$28,100 to agricultural engineering for "Investigations to Determine Effects of Harvesting and Handling Equipment on Quality of Cottonseed."

--from Ciba Pharmaceutical Company, \$600 to poultry science for evaluation of chemicals for treatment of Arizona paracolon in turkeys.

--from Southern Seed Development Company, \$1,950 to the Truck Experiment Station for processing new developments and seed increase (pickles).

--from Monsanto Chemical Company, \$1,000 to entomology for testing experimental insecticides on boll weevil and other cotton insects.

--from State Soil Conservation Committee, \$8,000 to agronomy and soils for technical service in acceleration of Soil Survey Programs in South Carolina.

--from W. R. Grace and Company, \$1,500 to the Sandhill Experiment Station for

research on magnesium ammonia phosphate as fertilizer for peach trees.

--from J. C. Karcher, \$6,500 to horticulture for research work on Aqua Humus.

--from S. C. Department of Education, Division of Vocational Education, \$14,900 to agricultural economics for research concerning a study of the need for and feasibility of an area Vocational Education School in Greenwood, S. C.

--from Southern Forest Disease and Insect Research Council, \$700 to Botany for research in "Correlation Between the Development of Fomes annosus root rot and the presence of antagonistic soil microorganisms".

--from National Association of Artificial Breeders, \$500 to Dairy Science for "Synchronization of Estrus in Dairy and Beef Cattle".

--from American Cyanamid Company, \$2,000 to entomology for "Investigation of Organic Phosphate Insecticides".



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CLEMSON UNIVERSITY LIBRARY
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C L E M S O N

Newsletter

AUG 31 '66

NOT FOR PUBLICATION

Vol. 5 No. 2

September 1, 1965

CALENDAR FOR SEPTEMBER 2-18

Sept. 2	Th	Academic Faculty Senate, Room 1, Physics, 4:15 pm
Sept. 2-18		Exhibit: <u>Modern Decorative Arts of Japan</u> , Lee Gallery in Architecture, Daily
Sept. 7	T	Ralph Gillespie (Pres., Ind. Div., Deering Milliken) will lecture on "Textiles as a Business Career," Sirrine Auditorium, 1 pm
Sept. 14	T	Career Day (An opportunity for all students to discuss their career fields with representatives from various industries), Chemistry Auditorium, 7:30 pm
Sept. 15	W	Woman's Club (Newcomer's party), Clemson House, 8 pm
Sept. 16	Th	J. R. Lynch (So. Personnel Mgr., S. S. Kresge Co.) will lecture on "Revolutionary Trends in Retailing," Sirrine Auditorium, 2 pm
Sept. 17	F	Karel Yasko (Comissioner of the U.S. General Services Admn. for Design and Construction) will lecture on the government's role in architecture and planning, Architecture Auditorium, 8 pm
Sept. 17-18	F-S	CDA dances: Dining Hall
Sept. 18	S	Football: Clemson vs. N.C. State, 2 pm
Sept. 18	S	Trustees of the J. E. Sirrine Textile Foundation will meet in the Sirrine Library at 10 am
Sept. 18	S	Southern Textile Association to meet at Clemson. Approximately 500 members are expected to be in attendance.

Note: Officers of all faculty campus organizations should send in meeting dates, time and places for the entire year for publication in the Newsletter calendar. This will eliminate constant checking to meet publication deadlines.

CONCERT SERIES ANNOUNCED

The 1965-66 University Concert series is announced below. Tickets (\$7 adult, \$4 student) for the series may be ordered from the Department of Bands. Write box 2325, University Station, Clemson, S. C.

All concerts will be held at 8 p.m. in the University Field House.

October 14, 1965--NATIONAL BAND OF NEW ZEALAND WITH MAORI DANCERS

This International Champion Concert Brass Band won first place at both the Holland International Contest and the Edinburgh Band Festival in 1962, competing with bands from all over the world. Since 1952, it has won 29 national championships in its homeland, has made several triumphant tours of Europe, and has played command performances for Queen Elizabeth.

Adding to the color of the band's first American tour will be an exotic troupe of native Maori dancers, presenting exciting rhythms and songs of New Zealand.

October 28, 1965--GOLDOVSKY OPERA THEATRE--MOZART'S "DON GIOVANNI"

The Goldovsky Opera Theatre has brought opera to millions of people through its tours to all parts of the country. A full-scale production of Mozart's "Don Giovanni", featuring vibrant young voices and a full orchestra, is this fall's offering, and will be sung in English.

November 8, 1965--MANTOVANI

Mantovani is one of the foremost exponents of light music. The melodious strains of his orchestra are immediately recognized by all and sundry in most countries of the world as a result of sold-out concert tours and millions of long-playing record albums. He brings a new magnificence to the light orchestral sphere of music.

February 9, 1966--THE ORIGINAL PIANO QUARTET

After having gained a reputation as one of Europe's favorite musical attractions, the Original Piano Quartet came to America in 1940 and launched a second brilliant career, which has taken them repeatedly across the continent to virtually every major city in the United States and Canada. They have played more than two thousand concerts to sold-out houses.

March 4, 1966--THE CHICAGO SYMPHONY ORCHESTRA WITH JEAN MARTINON

Since its founding in 1891 the Chicago Symphony, the nation's third-oldest symphony orchestra, has ranked as one of the great virtuoso ensembles of the world. Among its permanent conductors have been such luminaries as Frederick Stock, Arthur Rodzinski, Rafael Kubelik and Fritz Reiner.

Jean Martinon, recently appointed permanent music director, is one of the foremost French conductors. Although principally known as a specialist in the Gallic repertoire, his interpretations of works by composers of all nationalities have been widely acclaimed.

Concerts, continued

March 17, 1966--CARLOS MONTOYA

Carlos Montoya and flamenco guitar artistry are synonymous. His incredible technique makes him one of the most spectacular artists on the concert stage today.

FACULTY-STAFF SOCIAL COMMITTEE APPOINTED

The faculty-staff social committee for 1965-66 has been appointed by Dean Walter Cox. This Committee works with the Office of Student Affairs and with student organizations to plan University-sponsored student social events. Membership of the Committee is:

B. N. Skardon, Chairman	(English)
W. B. Albert	(Botany)
R. A. Banister	(Engineering Graphics)
M. C. Brown	(Military Department)
F. A. Burtner	(Social Sciences)
J. D. Cargill	(Student Affairs)
G. E. Coakley	(Student Affairs)
H. N. Cooledge, Jr.	(Architecture)
J. R. R. Cooper	(YMCA)
M. C. Crum	(Episcopal Chaplain)
Susan G. Delony	(Student Affairs)
A. J. Fear	(English)
Nash Gray	(YMCA)
J. G. Guggino	(Student Affairs)
J. E. Halpin	(Botany)
S. W. Hogue, Jr.	(Presbyterian University Pastor)
L. C. Johnson	(Military Department)
U. S. Jones	(Agronomy)
J. T. Lazar	(Dairy Science)
G. F. Meenaghan	(Chemical Engineering)
J. F. Miles	(Agricultural Economics)
George M. Moore	(Alumni Office)
Otis D. Nelson	(YMCA)
J. E. Sherman	(Alumni and Public Relations)
Robert T. Sovrells	(English)
Mark S. Steadman, Jr.	(English)
W. D. Trevillian	(Industrial Management and Textile Science)
John Wannamaker	(Industrial Management and Textile Science)
W. H. Wiley	(Agriculture and Biological Sciences)
J. L. Young	(Architecture)
R. C. Edwards, Ex-Officio	
W. W. Bryan, Ex-Officio	
W. T. Cox, Ex-Officio	
Jack Williams, Ex-Officio	
M. A. Wilson, Ex-Officio	

FACULTY EARNED DEGREES: AUGUST, 1965

<u>DEPARTMENT</u>	<u>TERMINAL*</u>	<u>MASTERS</u>	<u>BACHELORS</u>	<u>TOTAL</u>
Agric Econ	9	3	0	12
Agric Engr	5	4	0	9
Agronomy	16	2	0	18
Animal Sci	6	2	0	8
Botany-Bact	13	2	0	15
Dairy Sci	8	2	1	11
Ento-Zoo	14	2	1	17
Food Sci-Bioc	7	0	0	7
Forestry	6	2	0	8
Horticulture	9	5	1	15
Poultry Sci	5	1	0	6
Agric & Biol Sci	98 (77.8%)	25 (19.8%)	3 (2.4%)	126
Architecture	12 (66.6%)	3 (16.7%)	3 (16.7%)	18
Chemistry-Geol	19	3	1	23
Engl-Mod Lang	18	24	1	43
Mathematics	12	16	1	29
Physics	13	3	0	16
Social Sci	15	14	2	31
Arts & Sci	77 (54.2%)	60 (42.3%)	5 (3.5%)	142
Agric Educ	2	3	0	5
Ind Educ	2	3	0	5
Second. Educ	2	1	0	3
Education	6 (46.2%)	7 (53.8%)	0	13
Ceramic Engr	5	1	1	7
Chem Engr	8	0	0	8
Civil Engr	8	4	1	13
Elect Engr	6	7	1	14
Engr Mech	5	2	0	7
Ind Engr	1	7	3	11
Mech Engr	6	7	1	14
Engineering	39 (52.7%)	28 (37.8%)	7 (9.5%)	74
IM	5	3	0	8
Textiles	2	16	0	18
IM-TS	7 (26.9%)	19 (73.1%)	0	26
University Totals	239 (59.9%)	142 (35.6%)	18 (4.5%)	399

* terminal degrees are Ph.D., D.Sc., M.D., DVM, LL.B., and M.Arch.

NATIONAL SCIENCE FOUNDATION'S ADVANCED SCIENCE EDUCATION PROGRAM

This is a three part program divided as follows:

Advanced Science Seminars

Advanced Science Seminars provide opportunities for advanced and specialized education and research training. They are intended to supplement graduate school curricula and to enable participants to pursue subject areas in depth. A "seminar" may take the form of a conference, symposium, seminar, special classroom or laboratory course, or field training. It may focus on a single subject or cover several areas, and may draw upon the resources of several academic departments, industry government or foreign institutions. A seminar may be sponsored cooperatively by several institutions.

Seminars vary in length from a few days to a year, although year-long projects are rare. The number of participants also may vary, from a handful to several hundred.

Graduate Education Development Projects

Graduate Education Development Projects provide "seed" or "starter" money to strengthen or elevate offerings in graduate education in science. They were initiated in 1962 to assist graduate schools to meet specific but varying needs.

According to Dr. Thomas Fontaine, Director of NSF's Division of Graduate Education in Science, these project grants were designed to "help them do faster what they intended to do."

Under the Graduate Education Development Projects program, NSF may provide support for a wide range of activities. Examples include:

- Strengthening a department or a single course in a graduate school.
- Initiating a new graduate-degree program which has been authorized by the appropriate authorities or modifying a present one.
- Strengthening a master's-degree program.
- Initiating faculty or student exchanges between strong and less-developed graduate institutions.
- Establishing cooperative programs open to students of neighboring institutions.
- Conducting conferences, studies and research on graduate education problems.
- Sponsoring visiting professors or faculty training programs.

Public Understanding of Science Projects

Public Understanding of Science Projects may include, among other things, the following activities:

- Conferences between scientists and representatives of mass communications media.
- Preparation of popular educational materials.

NATIONAL SCIENCE FOUNDATION'S ADVANCED SCIENCE EDUCATION PROGRAM (Continued)

- Establishment of new public information services.
- Lectures and seminars open to the general public.
- Comprehensive community programs to present science to the general public.
- Seminars for scientists and representatives of other academic disciplines.

Inquiries may be made to the Graduate Office, Tillman Hall. Applications may be obtained from

Program Director, Advanced Science Education
Division of Graduate Education in Science
National Science Foundation
Washington, D. C., 20550

NATIONAL SCIENCE FOUNDATION SCIENCE FACULTY FELLOWSHIPS

As one means of improving the teaching of science in junior colleges, colleges and universities in the United States, the National Science Foundation plans to award on December 6, 1965, approximately 350 Science Faculty Fellowships to individuals to improve their competence as college or university teachers of science, mathematics, or engineering. The primary purpose of these awards is to provide an opportunity for junior college, college and university science teachers to enhance their effectiveness as teachers. The fellowships, therefore, are not designed to provide support for research projects as such.

Teachers who are unable to consider applying for fellowships tenable during all or part of an academic year may in many cases wish to consider the provision in this program which allows awardees to undertake their fellowship studies either in one summer, or in two or three consecutive summer periods.

National Science Foundation Science Faculty Fellowships are awarded on the basis of ability in accordance with Section 10 of the National Science Foundation Act of 1950, as amended. These fellowships will be offered only to individuals who are or will be citizens or nationals of the United States as of November 15, 1965 and who (a) hold a baccalaureate degree or its equivalent, (b) have demonstrated ability and special aptitude for science teaching and advanced training, (c) will have had 3 or more academic years' experience in teaching science, mathematics or engineering (as a full-time staff member or instructor of higher rank, teaching undergraduate students mainly and excluding part-time or summer teaching) at the collegiate level as of October 11, 1965, and (d) intend to continue teaching.

The National Science Foundation also awards other fellowship at the graduate and postdoctoral levels. It is recognized that there is not always a clear distinction between the research activities and teaching responsibilities of college faculty members. Hence, many individuals might apply with equal propriety for either a fellowship intended primarily for research workers or one intended for science teachers. However, no individual may apply concurrently in the Science Faculty and Senior Postdoctoral Fellowship programs.

For further information, contact the Graduate Office, 17 Tillman Hall, or apply to Fellowships Section, Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550.

NATIONAL SCIENCE FOUNDATION SENIOR POSTDOCTORAL FELLOWSHIPS

Awards of National Science Foundation Senior Postdoctoral Fellowships will be made for study or work in the mathematical, physical, medical, biological or engineering sciences, and in anthropology, economics, geography, the history and philosophy of science, linguistics, political science, psychology, and sociology. Also included are interdisciplinary areas which are comprised of overlapping fields among two or more sciences (for example, geochemistry, meteorology, and oceanography). The fields of research and study covered by these awards are limited to those which conform to accepted standards of scientific inquiry by fulfilling the requirements of the basic scientific method as to objectivity, verifiability and generality. Fellowships are not awarded for support of study or work toward the M.D., D.D.S., or D.V.M. degree nor for study or work in business administration, clinical medicine, clinical psychology, or social work.

These awards are primarily for those who have held a doctorate for a minimum period of five years.

For further information contact the Graduate Office, 17 Tillman Hall, or apply to Fellowships Section, Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550. Closing date for receipt of applications is Oct. 11, 1965.

FELLOWSHIP PROGRAMS OF THE NATIONAL SCIENCE FOUNDATION

The Fellowship Programs provide support to scientists and science teachers for scientific study or scientific work designed to meet their individual needs. Programs in this category offer a wide range of opportunities for training to graduate students, college teachers of science, and advanced scholars. Recipients must be citizens or nationals of the United States.

Predoctoral Fellowships: (1) Graduate; (2) Summer Fellowships for Graduate Teaching Assistants.

Postdoctoral Fellowships: (3) Postdoctoral (regular); (4) Senior Postdoctoral--for scientists who have held a doctoral degree in one of the basic sciences for at least five years.

Fellowships for College Teachers: (5) Science Faculty Fellowships--for college teachers of science, mathematics, or engineering.

An individual may not apply concurrently in the Science Faculty and Senior Postdoctoral Fellowship programs.

Extramural Fellowships: (6) NATO (North Atlantic Treaty Organization)

Postdoctoral Fellowships in Science. This program is administered by the National Science Foundation on behalf of the Department of State.

More detailed information about these programs may be obtained by writing to The Fellowships Section, Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550.

NATO POSTDOCTORAL FELLOWSHIPS IN SCIENCE

For United States citizens, this program will be administered by the National Science Foundation. For tenures of nine or twelve months, fields covered are the mathematical, physical, medical, biological, engineering, and social sciences, and the history and philosophy of science. Recipients will normally study abroad in some country that is a member of NATO. For further information contact the Graduate Office, 17 Tillman Hall, or write to The Fellowship Office, National Academy of Sciences, National Research Council, 2101 Constitution Ave., N. W., Washington, D. C. 20418. Closing date for receipt of applications is Oct. 11, 1965.

KENT GRADUATE FELLOWSHIPS

A program to support graduate students who are preparing for teaching or administration in universities.

Applicants must intend to attain the Ph.D. degree in one of the arts or sciences that contribute to liberal education.

Applicants must take the Graduate Record Examination (Verbal, Quantitative, and Advanced). Deadline for requests for application is Dec. 3, 1965.

Those interested should write to:

The Danforth Foundation
607 N. Grand Blvd., St. Louis, Missouri 63103

or

The Graduate School Office,
Tillman Hall

FIFTEENTH ANNUAL INSTRUMENT SYMPOSIUM AND RESEARCH EQUIPMENT EXHIBIT, OCT. 4-7, 1965

To be held at the National Institutes of Health, Bethesda, Md. In addition to exhibits by 76 of the nation's leading manufacturers of research equipment, there will be discussions of retrieval of scientific information, medical applications of fiber optics, trace contaminants in closed atmospheres, special infrared sampling techniques, germfree animal research, and single cell research. For further information contact the Graduate Office, Tillman Hall.

CREDIT UNION INFORMATION

The S. C. State Employees Cooperative Credit Union is a thrift and loan association owned and operated by its members. Its purpose is to help members build up their savings and to make loans to members at low interest rates. Membership fee is \$1.00, and is open to all members of the S. C. State Employees' Association and their immediate families.

A Credit Union savings account is an excellent investment. Its dividend record and its soundness record is of the highest. Dividends are declared annually, depending upon the earnings of the Credit Union. A credit Union savings account up to a maximum of \$1,000.00 gives you a sense of pride and security. Under life savings Insurance which is purchased by the Association from Pilot Life Insurance Company for you and your fellow members your life will be insured to the amount of your savings balance in the Credit Union at the time of your death, but not to exceed \$1,000.00, subject to the following conditions:

1. You must be performing the usual duties at the time you make the deposit.
2. You will get \$1.00 of life insurance for each \$1.00 deposited before you are 55 years old.
3. You will get 75¢ of life insurance for each \$1.00 deposited between the ages 55 and 59 inclusive.
4. You will get 50¢ of life insurance for each \$1.00 deposited between the ages 60-64 inclusive.
5. You will get 25¢ of life insurance for each \$1.00 deposited between the ages 65-69 inclusive.
6. No life insurance is provided for deposits made after age 70.

Loans are granted for any provident or productive purpose. Personal loans up to \$300.00 plus the amount in savings account may be made on open signature. The Credit Committee reserves the right to request a Co-signer. Approval of the loan is based upon the purpose of the loan, character of the borrower, and his ability to repay. Personal loans are repaid in up to twelve monthly installments at an interest rate of 1% per month on the unpaid balance. Under special conditions, personal loans up to \$500 may be approved if full payment can be made within 20 months. The Credit Union will finance new automobiles, up to two-thirds of the value, at five percent interest, renewable annually, with up to thirty months to repay, and used automobiles, up to two-thirds of the value, at six percent interest per annum with up to thirty-six months to repay, depending on the age of the car. The Credit Union requires the borrower to provide Public Liability, Collision and Comprehensive insurance on automobiles. The Credit Union is authorized to secure such insurance in the event the borrower requests it. The cost of such insurance may be added to the amount of the loan.

The Credit Union will also finance the purchase of household appliances where the cost is above \$300.00.

To be eligible to make a loan from the Credit Union, you must own at least one share in the Credit Union. Each share is worth \$5.00 and any amount will be accepted to the purchase of a share. With the initial loan application there is a \$1.00 investigation fee. An important reason for borrowing from your Credit Union is Loan Protection Insurance which the Credit Union furnishes its borrowers at no extra charges. The borrower's life is insured to the amount of his loan balance provided that at the time the loan is made, the borrower is performing, or able to perform within a reasonable period of time, the usual duties of his livelihood. If the insured borrower dies before he is 70 or becomes totally and permanently disabled before he is 60, the Credit Union receives payment of the loan balance in full from Pilot Life Insurance Company. The debt dies with the debtor.

For further information see Arthur J. Jenkins, Treasurer, 320 Wade Hampton State Office Building, Columbia, S. C., Telephone AL 2-3603, or at the Credit Union Office, 1015 Sumter Street, in charge of Mrs. Helen G. Bigham.

Members may buy merchandise at substantial discounts merely by identifying themselves to merchants participating in the Association's purchase plan. When interested in this plan, a postal card to SCSEA, Box 5357, Columbia, S. C., will bring you the latest list of participating merchants.

The Sam Solomon Catalog, through which merchandise may be ordered, may be obtained from Association directors. Those directors located on the Clemson Campus are:

J. W. Jones, College of Agriculture and Biological Sciences (Ext. 261)

Lewis D. Malphrus, South Carolina Experiment Station (Ext. 226)

John B. Gentry, Personnel Office (Ext. 365)

DEADLINE NEARS FOR HONORARY DEGREE NOMINATIONS

Nominations of persons to be awarded honorary degrees by Clemson are due by or before October 1. The policy concerning these degrees is:

"Honorary degrees will be conferred in recognition of eminent achievement in scholarship or of high distinction in public service. The awarding of honorary degrees will be regarded as a method by which the university expresses its ideals and recognizes exceptional attainments.

Nominations may be made by any interested person. A narrative letter setting forth the accomplishments of the nominee should be submitted to any member of the Board of Trustees, the President of the University, or the President of the Faculty Senate. The person receiving the nomination will forward it to the Clemson Faculty Senate via the President of the University. Normally, October 1 will be the deadline date for submission of nominations. The Senate will gather additional information from within and outside the university as deemed necessary.

A committee consisting of three members of the Board to be appointed annually by the President of the Board at the fall meeting, two members of the Academic Faculty Senate, the President of the Faculty Senate, and the President of the University will meet at the convenience of the committee to consider all nominations. The Senate President will act as secretary of the committee and will present the nominees. The President of the University will act as committee chairman. The committee will forward its recommendations to the full Board of Trustees for final action.

It is the policy of the Board to limit the number of honorary degrees to a maximum of five during any one academic year."

CLEMSON AERO CLUB

The Clemson Aero club has recently purchased a Cessna 150 to be used in conjunction with its Taylor craft BC12 for student instruction and use by the club members. Although the club is predominantly a student organization, faculty and staff members of the University are eligible for membership. For further information contact Dr. E. P. Stillwell, Physics Dept.

PERSONAL MENTION

--Mrs. Sue Dunkle (Math) has been granted academic tenure, effective August 10.

--John Idol (Engl.) was awarded the Ph.D. degree at a recent convocation of the University of Arkansas.

--Wade Jennings (English) was awarded the Ph.D. degree at the last convocation of Texas Technological University.

--J. N. Conis (Spanish) was awarded the Ph.D. degree at the last convocation of the University of Virginia.

--Louis Henry (Engl.) was awarded the Ph.D. degree at the last convocation of Florida State University.

--A. H. Holt (Engl.) spent the second summer term in research at the University of North Carolina on a fellowship from the Cooperative Program in the Humanities.

--M. A. Owings (Engl.) participated in a two-week seminar (August 15-28) at Radcliffe College for prospective directors of NDEA English Institutes.

--Marilyn Risko (French) was on the Faculty of Clemson's summer Institute Americain d'Etudes Francaises (NDEA) at the University of Toulouse, June 15-August.19.

--E. P. Willey (English) is on study leave at the University of North Carolina for the academic year.

--Wesley Witcher (Botany) was appointed to the technical committee of the Southern Forest Disease and Insect Research Council, effective July 1, 1965.

--Lowery H. Davis (AgEduc.) served as visiting professor at New Mexico State University and as Consultant to Department of Agricultural Education at University of Arizona during July.

--T. C. Peele (Agron) was elected chairman of the University Council on Hydrology for the current fiscal year, replacing A. G. Law (EM) whose term has ended. F. C. Alley (Chem. Engr.) was elected vice-chairman and J. R. Lambert (Ag. Engr.) was elected secretary.

--K. Lehotsky (Forestry) was appointed a member of the Committee on Policy of the Southern Region Forest Environmental Research Group during its organizational meeting held in Hope, Arkansas in July.

--R. E. Schoenike (Forestry) is a contributor to four of the nine chapters of the book entitled, "Balsam Fir," published by the University of Minnesota Press in Minneapolis.

--W. C. Mickelberry (Food Science and Biochem.) presented a paper entitled "Cooking Losses and Tenderness of Broiler Carcasses as Affected by Dietary Fats" to the 54th Annual Poultry Science Association Meeting held in Athens, Georgia August 2-6, 1965. At the same meeting Jane G. Lease (Food Science and Biochem.) presented a paper entitled "Interrelationship of Zinc and Magnesium."

--L. G. Rich (Engr.) was a member of a Public Health Service site-evaluation team visiting Michigan State University August 23-24.

PERSONAL MENTION (Continued)

--J. V. Walters (Text) has been elected a member of the Research Faculty Council, replacing David Gentry who has been granted a leave of absence to do graduate study.

--H. E. McClure addressed the Spartanburg Teachers Conference (August 24) on the role of visual arts in education.

DR. ALBERT RETIRES

William B. Albert (Botany) retired from university employment on June 30, 1965, after 39 years of teaching and research with the College of Agriculture and Biological Sciences.

Dr. Albert, a native of Wisconsin, earned his B.S., M.S., and Ph.D. degrees at the University of Wisconsin where he was a research assistant from 1923 through 1926. He came to Clemson in 1926 and, except for a short period of leave to do biochemical research at McLeod Infirmary, Florence, S. C., he has continued in employment.

During his years of service Dr. Albert was author or co-author of 21 research articles. He is a member of Alpha Zeta, Phi Sigma, and Sigma Xi, and of a number of professional associations.

GIFTS AND GRANTS

The gifts and grants listed below have been received since the August 15 issue of the Newsletter was printed:

--from NSF to W. Barlage (Chem.Engr.), \$18,300 for research entitled "Diffusion Coefficients for Gasses in Non-Newtonian Fluids."

--From American Cyanamid Co. to the School of IM-TS, \$500 for use in educational activities.

--From the Upjohn Company, \$500 to Botany for research on the pre-harvest fungicide (Botran) and its use in control of Rhizopus rot on peaches.

--From Eli Lilly Company, \$350 to Horticulture for the evaluation of effects of 2-amino-butane carbonate on shelf life and market quality of peaches.

--From the University of Wisconsin, \$3,000 to Entomology for research at the Pee Dee Station on "Sex Attractant of Tobacco Hornworm."

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Newsletter

SEP 16 '65

NOT FOR PUBLICATION

Vol. 5 No. 3

September 16, 1965

CALENDAR: SEPTEMBER 16-OCTOBER 4

- | | | |
|------------------|-----|--|
| Sept. 16 | Th | J. R. Lynch (So. Personnel Mgr., S. S. Kresge Co.) will lecture on "Revolutionary Trends in Retailing," Sirrine Auditorium, 2 pm. |
| Sept. 16 | Th | S. P. Pappas (Emory U.) will lecture on "Dewar Benzene." Brackett Hall, Room 118, 4 pm. |
| Sept. 16 | Th | L. A. Whitford (Botany-N.C. State) will lecture on "The Most Extensive Natural Communities: The Plankton." Physics Bldg., Room 1, 4 pm. |
| Sept. 17 | F | Karel Yasko (Comissioner of the U.S. General Services Admn. for Design and Construction) will lecture on the government's role in architecture and planning, Architecture Auditorium, 8 pm. |
| Sept. 17-18 | F-S | CDA dances: Dining Hall |
| Sept. 18 | S | Football: Clemson vs. N. C. State, 2 pm |
| Sept. 18 | S | Trustees of the J. E. Sirrine Textile Foundation will meet in the Sirrine Library at 10 am. |
| Sept. 21 | T | William McGehee (Fieldcrest Mills--personnel) will lecture on "The Recruiting of University Students." Sirrine Auditorium, 11 am . |
| Sept. 23 | Th | Botany and Bacteriology Seminar. Dr. Gerald T. Cowley (Asst. Prof. of Botany, University South Carolina) will speak on "Some Possible Factors Affecting the Distribution of Soil Microfungi," Long Hall, Room 222, 4 pm. |
| Sept. 24 | F | Dr. Charles W. McArthur (Florida State University will lecture on "Recent Developments in the Theory of Biorthogonal Systems" in Physics Auditorium 101 at 3 pm. Prior to the lecture a coffee hour will be held in Room 0-105 of the Mathematics-English Building for all attending the lecture. The coffee hour will be from 2:30 to 3:00. |
| Sept. 24-Oct. 15 | | Exhibit: "Environmental Painting" by Robert Hunter, Lee Gallery in Architecture, Daily . |

CALENDAR CONTINUED

Sept. 28	T	Miss Jeanne Elletson (J. P. Stevens & Co.) will lecture on "The Modern Textile Industry." Sirrine Auditorium, 11 am.
Sept. 30	Th	Dr. Joe A. Edmisten, (Asst. Prof. of Botany, Univ. of Ga.) will lecture on "The Form and Function of a Tropical Rain Forest" Room 1, Physics Building, 4 pm. Dr. Joe A. Edmisten will also lecture on "Hard and Soft Detergents in Ponds." Earle Auditorium, 8 pm.
Sept. 30	Th	John A. Stone (Savannah River Lab) will lecture on "Chemical Studies Using the Mossbauer Effect." Brackett Hall, Room 118, 4 pm.
Oct. 1	F	C. G. Stephens (Head Soil Survey & Pedology Section, Division of Soils, Glen Osmond, South Australia) will lecture on "The Quaternary Geomorphic and Paleo-Climatic Significance of Australian Soils" 4 pm, and on "Prospects of Development of the Dry Lands of the Earth to Feed the Exploding Population." 8 pm. Each lecture will be in the P&AS Auditorium.
Oct. 1-2	F-S	Contempory Film Series: "Tkiru" Civil Engr. Auditorium, 7 pm

NOTE: Officers of faculty campus organizations should send in meeting dates, times and places for the entire year for publication in the Newsletter calendar. This will eliminate constant checking to meet publication deadlines.

NOTE ON UNIVERSITY DANCES

A letter from Dean Cox (Student Affairs) to all academic deans and other administrators extends an invitation to faculty and staff to attend student dances. The letter reads:

"Our student organization, the Central Dance Association, wishes to continue their policy of having as their guests members of the faculty and professional staff who desire to attend the dances they sponsor. I am sorry that it will not be possible to include graduate students in the invitation this year."

"It is suggested that you extend the invitation to your faculty and staff with the directions that admission tickets cannot be distributed at the door. It will be necessary for them to secure the tickets in the Office of Student Affairs by 4:30 p.m. on the Fridays of scheduled dance weekends."

"The dates of the dances are listed below:

September 17-18	Rat Hop
October 22-23	Homecoming Dances
February 4-5	Mid-Winters Dances
March 11-12	Spring Hop
April 22-23	Tans Junior-Senior"

REVISED ROSTER OF RESEARCH FACULTY COUNCIL

The revised roster of the Research Faculty Council is as follows.
President of the Council is Cecil Godley, Animal Science Department, P&AS Building.

<u>Name</u>	<u>College or School</u>	<u>Term to Expire</u>
G. R. Craddock	Agr. & Bio. Sci.	1968
R. L. Edwards	Agr. & Bio. Sci.	1966
W. C. Godley	Agri. & Bio. Sci.	1967
W. V. Chalupa	Agri. & Bio. Sci.	1967
U. S. Jones	Agri. & Bio. Sci.	1968
J. B. Pitner	Agri. & Bio. Sci.	1966
A. L. Shewfelt	Agri. & Bio. Sci.	1966
Tah-Teh Yang	Engr.	1968
Arnold Schwartz	Engr.	1967
M. B. Bishop	A & S	1968
John Miller	A & S	1968
E. S. Olson	IM & TS	1966
J. V. Walters	IM & TS	1968

ENTOMOLOGIST ADDED TO RESEARCH FACULTY

John Alexander DuRant of Auburn, Alabama has joined the agricultural research faculty as an assistant professor. He will work in entomology and will be stationed at Pee Dee.

Mr. DuRant has the B.S. in forestry from Clemson, the M.S. in entomology from Clemson, and is a candidate for the doctorate at Auburn. For the past three years he has been a research assistant at Auburn. He is a member of Sigma Xi, Phi Kappa Phi, and other professional societies. His wife is the former Jeannette Rose Copeland of Bishopville, S. C.

FACULTY REPLACEMENT IN ENTOMOLOGY

Miss Rebecca Ruth Lanier of Cartersville, Georgia will join the faculty in entomology-zoology this month as a replacement for Dr. A. S. Tombes who will be away on a postdoctoral fellowship. Miss Lanier will hold the rank of Assistant Professor. She has her bachelor's degree from Berea College and her master's from Auburn where she is a candidate for the Ph.D. She has had teaching experience at Auburn. She is a member of Phi Kappa Phi.

A NOTE ON THE 1965 FACULTY MANUAL

A copy of the 1965 Faculty Manual should now be in the hands of each faculty member. A second printing of this manual is scheduled for October. Please send any corrections or suggestions concerning the Manual to J. K. Williams, Tillman Hall, before September 30.

REPORT: RESEARCH FACULTY COUNCIL MEETING

The August 17, 1965 meeting of the Research Faculty Council was called to order at 4:05 p.m. in Room No. 1, Physics Building.

The minutes of the July 20th meeting were approved unanimously.

1. Chairman Godley stated that he had contacted Dr. J. K. Williams with regard to talking with the Research Faculty Council. Dr. Williams was unable to attend the meeting but would do so at the September meeting.

2. Appointments of members to committees were made as follows:

Executive Committee

W. C. Godley
E. S. Olson
A. E. Schwartz

Policy Committee

Chairman: Tah-Teh Yang
U. S. Jones
J. E. Miller

Personnel Relations Committee

Chairman: A. L. Shewfelt
M. B. Bishop
J. B. Pitner

Ad Hoc Committee

Chairman: R. L. Edwards
G. R. Craddock
W. V. Chalupa

One additional member will be assigned to this committee when the School of IM & TS elects a replacement for D. R. Gentry.

3. The Ad Hoc Committee was requested by the Chairman to study the Constitution of the Research Faculty with regard to summer meetings and the timing of required elections.

4. Comments by the Chairman concerning possible future work included:

- How to improve the image of research on the University campus.
- Study operating methods of the different research groups by inviting the Deans and/or Director of Research of the several schools and colleges to present their comments on research.
- Formation of a study group to investigate operating and finance methods used by other universities.
- Consider the possibility of an educational film depicting what is being done at Clemson University in the total research area.
- Meetings of the research faculties within their own schools and colleges to foster candid discussions concerning problems of the researcher.

Members Absent:

Dr. Tah-Teh Yang
Dr. R. L. Edwards

REPORT OF FACULTY SENATE MEETING

The Faculty Senate met at 4:15 p.m. on September 2, 1965, in Room 1 of the Physics Building, President Stepp presiding. After the minutes of the May 11 meeting had been approved, Dr. Stepp announced appointments to committees as follows:

- (1) Dr. J. E. Miller and Dr. J. B. Whitney to the University Committee on Honorary Degrees,
- (2) Professor A. D. Lewis to the Traffic and Control Committee
- (3) Dr. C. Q. Brown, Dr. M. A. Boone, and Professor H. M. Felder, Jr. to a steering committee for the possible formation of a community funeral society,
- (4) the non-ex officio members of the Committee on Committees to an ad hoc committee for the study of revisions of the Constitution and By-Laws of the Academic Faculty and Faculty Senate which may be needed as a result of the revised University calendar.

Dr. Stepp reported on two summer meetings of the Committee on Committees which were held to name members of standing committees, to allocate business to these committees, and to set meeting dates for the Senate for this academic year. The following dates were approved: October 5, November 2, December 7, January 13, February 1, March 1, April 5, and May 3.

Chairmen of the standing committees were asked for their reports. Dr. C. A. Reed (Admissions and Scholarship) had no report. In response to Dean Williams' suggestion that the present basis of Senate representation might be reconsidered, Dr. H. G. LeFort (Policy) submitted the following recommendation:

"It is recommended that further consideration be given to changing the basis for representation of the various schools and colleges in the Senate at that time when the membership equals or exceeds fifty."

The recommendation was accepted. He also stated that the Policy Committee was at work on the problem of how to improve undergraduate instruction and on the question of whether the University should act more vigorously to promote the sale of Clemson souvenirs and the works of Clemson authors.

Dr. Gray Dinwiddie (Welfare) reported that his committee was considering questions relating to tenure and the present method of paying faculty salaries.

Dr. Stepp presented a resolution of the Committee on Committees inviting the School of Education to elect representatives to the Senate as soon as possible. After amendment, the resolution was adopted.

After Dr. Stepp had reported the resignation of Mrs. Patricia Hill and Dr. Dinwiddie had stated that the customary flu inoculation program would be offered to faculty members this year, the meeting was adjourned at 5:00 p.m.

Absent:

Boone, M. A.
Gunnin, Emory
Spencer, H. G.
Steadman, M. S.
Winter, J. P.

Respectfully submitted,

Herman M. Felder, Jr.
Secretary

NSF SUMMER FELLOWSHIPS FOR GRADUATE TEACHING ASSISTANTSHIPS

Clemson University will participate in the 1966 Summer Fellowships for Graduate Teaching Assistants Program.

Eligibility. National Science Foundation Summer Fellowships for Graduate Teaching Assistants will be awarded on the basis of ability, in accordance with Section 10 of the National Science Foundation Act of 1950, as amended, only to persons who are citizens or nationals of the United States (or will be by March 1, 1966) and who, at participating institutions, (a) will have had, at the beginning of their fellowship tenures, not less than one academic year of experience as graduate teaching assistants (as defined below), (b) have the status of graduate students under the regulations of these institutions, and (c) are engaged in substantially full-time work (including any teaching assistantship duties) in fields of study covered in this program. A graduate teaching assistant is defined as a person who devotes an average of not less than eight hours per week to teaching, laboratory instruction, grading of papers, or other duties directly related to instructional activities, and for which he is regularly paid by his institution. The qualifying duties must be in a field of study included in this program. Graduate students who teach, but who may be designated by some title other than "teaching assistant," are eligible for these awards. However, teaching experience acquired while holding a fellowship or scholarship supported by the U. S. Government (such as an NSF fellowship or a National Defense Education Act award) is not considered as satisfying the requirements of an academic year's experience as a graduate teaching assistant. Faculty members designated as "instructors," or otherwise, are not excluded, provided they meet the other requirements cited above.

Closing date for receipt of application is December 3, 1965.

Contact the Graduate Office for further details.

BLUE CROSS OPENS ANNUAL RE-ENROLLMENT PERIOD

Representatives of Blue Cross-Blue Shield Insurance will be on Campus September 25 through October 25, 1965. This is the annual re-enrollment period for group insurance available to all faculty members and other regular employees of Clemson University.

During this re-enrollment period any member of the Blue Cross-Blue Shield program may make changes (additions, deletions, etc.) if desired to fit their individual and/or family needs. Initial applications will also be accepted during this period for those who desire insurance coverage through this plan.

New employees may apply for insurance anytime during their first 31 days of employment. Other employees may apply for insurance or request changes in present coverage only during the annual re-enrollment period, September 25 - October 25. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time.

Appointments may be made with the representatives by telephoning Mr. W. J. Stamey in the Personnel Office, Ext. 365.

ADVANCED GRADUATE RECORD EXAMINATION IN LITERATURE

The English department will require, effective Sept. 1, 1965, the advanced GRE in Literature for admission to the Graduate School for those who plan to major in English seeking the M.A. degree.

Enrollment by Courses and Student Classification
First Semester 1965-1966

Major Course	Freshman (Semester)		Sophomore (Semester)		Junior (Semester)		Senior (Semester)		Total
	1st	2nd	1st	2nd	1st	2nd	1st	2nd	
Agriculture	2	0	0	1	0	0	0	0	3
Agricultural Economics	3	4	7	6	7	8	4	3	42
Agricultural Engineering	18	2	1	2	3	1	6	0	33
Agronomy	9	1	3	3	8	1	5	2	32
Animal Science	7	9	8	10	8	1	7	6	56
Biology	34	4	18	11	8	9	19	5	108
Dairy Science	8	2	3	3	2	3	6	0	27
Entomology	2	1	3	0	2	0	1	0	9
Food Science	4	0	4	1	0	1	3	0	13
Forestry	46	17	12	10	6	8	16	4	119
Horticulture	4	4	6	5	4	7	6	8	44
Poultry Science	3	1	0	2	0	0	4	2	12
Pre-Veterinary	21	9	16	5	2	0	0	0	53
Sub-Total	161	54	81	59	50	39	77	30	551
Architecture	98	12	61	28	23	10	50*	16**	298
Building Construction	4	3	9	9	7	1	7#	4	44
Sub-Total	102	15	70	37	30	11	57	20	342
Arts and Sciences	183	56	140	84	95	46	96	31	731
Chemistry	30	4	10	2	7	3	14	0	70
Geology	4	0	3	0	0	0	0	1	8
Mathematics	68	8	30	7	13	9	20	0	155
Medical Technology	10	2	5	2	4	2	3	0	28
Nursing	34	0	0	0	0	0	0	0	34
Physics	25	4	13	2	6	4	9	0	63
Pre-Medicine	105	28	47	17	35	13	16	3	264
Pre-Pharmacy	13	4	3	0	1	0	0	0	21
Sub-Total	472	106	251	114	161	77	158	35	1374
Agricultural Education	8	9	6	12	9	6	14	4	68
Industrial Education	2	9	4	6	3	3	9	5	41
Science Teaching	1	0	0	1	0	0	0	0	2
Sub-Total	11	18	10	19	12	9	23	9	111
Engineering	31	2	5	0	0	0	0	0	38
Ceramic Engineering	31	7	12	5	6	6	12	3	82
Chemical Engineering	74	9	39	5	20	12	34	1	194
Civil Engineering	150	29	54	21	26	14	40	11	345
Electrical Engineering	162	39	63	26	45	26	49	16	426
Industrial Engineering	24	5	11	5	7	5	11	4	72
Mechanical Engineering	109	26	56	22	45	14	41	21	334
Metallurgical Engineering	3	0	4	2	2	0	2	0	13
Sub-Total	584	117	244	86	151	77	189	56	1504
Industrial Management	158	52	66	47	56	44	85	33	541
Textile Chemistry	18	4	5	1	6	1	6	1	42
Textile Management	4	4	9	13	20	5	29	11	95
Textiles	22	5	0	4	0	0	0	0	31
Textile Science	1	1	3	1	2	1	9	0	18
Sub-Total	203	66	83	66	84	51	129	45	727
Total	1533	376	739	381	488	264	633	195	4609
					Part-Time		Full-Time		
Graduates - Master's Level					101		205		306
Graduates - PhD Level					34		34		68
Postgraduates					6		16		22
Unclassified					1		16		17
Total					142		271		413
Grand Total									5022

*Includes seventeen who are in the first semester of the fifth year.

**Includes four who are in the second semester of the fifth year.

#Includes one who is in the first semester of the fifth year.

PERSONAL MENTION

--David R. Gentry (TC) has been granted leave to do graduate study at Georgia Tech.

--T. R. Adkins (ento) has been appointed secretary of the Graduate Council

--W. M. Dowler, Flora King, and D. H. Petersen (USDA-Botany) presented a paper entitled "Seasonal Changes in Starch and Free Sugar Content of Dormant Peach Tissues" at the annual meeting of the American Society for Horticulture Science held in Urbana, Illinois, August 15-20.

--J. L. Richardson (IM & TS) conducted a seminar at Auburn University during the summer. This seminar was sponsored by the Auburn Textile department and the Alabama Textile Operating Executives Association.

--J. C. McCormac (CE) is the author of a new textbook, Structural Steel Design, which has recently been published by the International Textbook Company.

--J. H. Moore (CE) has been named to a joint AGC-ASEE Committee on Education in Construction. This joint committee has nine educators and an equal number of contractors from the Associated General Contractors of America.

--New officers of the Clemson University Council on Hydrology (CUCOH) are:

Chairman: T. C. Peele, Agronomy
Vice-Chairman: F. C. Alley, Chemical Engineering
Secretary: J. R. Lambert, Agricultural Engineering

The purpose of the Council is to encourage interest in the broad area of hydrology. Membership is open to any interested faculty member.

--The Research Faculty of the College of Agriculture and Biological Sciences have elected W. V. Chalupa (Dy Sci) to fill the unexpired term of Victor Hurst on the Research Faculty Council.

--The new School of Education met on September 6, 1965, to elect its representatives to the Faculty Senate.

The following were elected by secret ballot:

W. C. Bowen for a 2 year term
M. A. Packer for a 1 year term
A. F. Newton for a 3 year term

--L. E. Hill (Econ.) has published "Moving Mohamet to the Mountain (A Satire on Mathematical Economics)," The American Journal of Economics and Sociology, XXIV (July, 1965).

--W. P. Byrd (Experimental Stat.) participated in the annual meeting of the Southern Experiment Station Statisticians at Oklahoma State University, Stillwater, Oklahoma in August.

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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 4

October 1, 1965

OCT 1 '65

CALENDAR: OCTOBER 1-18

- Oct. 1-Oct. 15 Exhibit: "Environmental Painting and Sculpture."
Lee Gallery, Architecture.
- Oct. 4 M Ian McHarg (Chm., Dept. of Landscape Arch., School
of Arch, U. Pa.) will lecture on "Total Environment."
8 p.m., Architectural Auditorium.
- Oct. 5 T Academic Faculty Senate, regular meeting. 4:15 p.m.,
Room 1, Physics.
- Oct. 5 T Sage Club Dinner Meeting, Clemson House, 6:30 p.m.
Leland Drew (Ag Engr) to show slides on the Near East.
- Oct. 5 T W. J. Martin (USDA) will lecture on "Cotton Utili-
zation--Mechanical Processing." 11 a.m., Surrine
Auditorium.
- Oct. 7 Th R. P. Jenkins (J. E. Surrine Co. Design Engineer)
will lecture on "Choosing an Industrial Plant Site."
2 p.m., Surrine Auditorium.
- Oct. 7 Th Bill Batson (bot.) will lecture on "Endothia parasitica
on live oak." 4 p.m., Room 222, Long Hall.
- Oct. 12 T R. W. Dunn (Dist. Mgr., Whittin Machine Wks.) will
lecture on "Developments in Yarn Processing Machinery."
11 a.m., Surrine Auditorium.
- Oct. 14 Th Concert: National Band of New Zealand. 8 p.m., Field
House.
- Oct. 14 Th E. G. Beinhart (USDA) will lecture on "Microclimato-
logy and its use in Biological Research." 4 p.m.,
Room 222, Long Hall.
- Oct. 14 Th Paul Story (U. of Ga.--Chemistry) will lecture on
"Mechanism of Ozonolysis." 4 p.m., 118 Brackett Hall.
- Oct. 15 F Freshman Football: Clemson vs. Univ. of Georgia.

CALENDAR CORRECTION IN DATES AND DATA

The left page of the February calendar section of Dates and Data was inadvertently omitted by the printer during the press run, and the left page of the March calendar was incorrectly substituted. Events actually scheduled in March 1966 are also shown incorrectly on Mondays, Tuesdays and Wednesdays in the February calendar.

You may correct your copy of Dates and Data by substituting the page below for the left page of the February 1966 calendar.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY
		¹ Basketball-at Wake Forest; Clemson Night	²
⁶	⁷	⁸	⁹ Concert-Orig Piano Quartet at Fld House
¹³	¹⁴ Basketball-Wake Forest	¹⁵ Stu elects period begins; Adult Ed Cent	¹⁶
²⁰	²¹	²² Basketball-Ga Tech; Adult Educ Center	²³
²⁷	²⁸ Prelim repts due		

GRADUATE RECORD EXAMINATION (GRE) FOR PROSPECTIVE GRADUATE STUDENTS

The Graduate School will finance the cost of taking the GRE on Nov. 13, 1965 by those Clemson seniors who plan to enter any graduate school following graduation. The student must have not less than a 2.5 cumulative grade-point ratio on all subjects taken as an undergraduate.

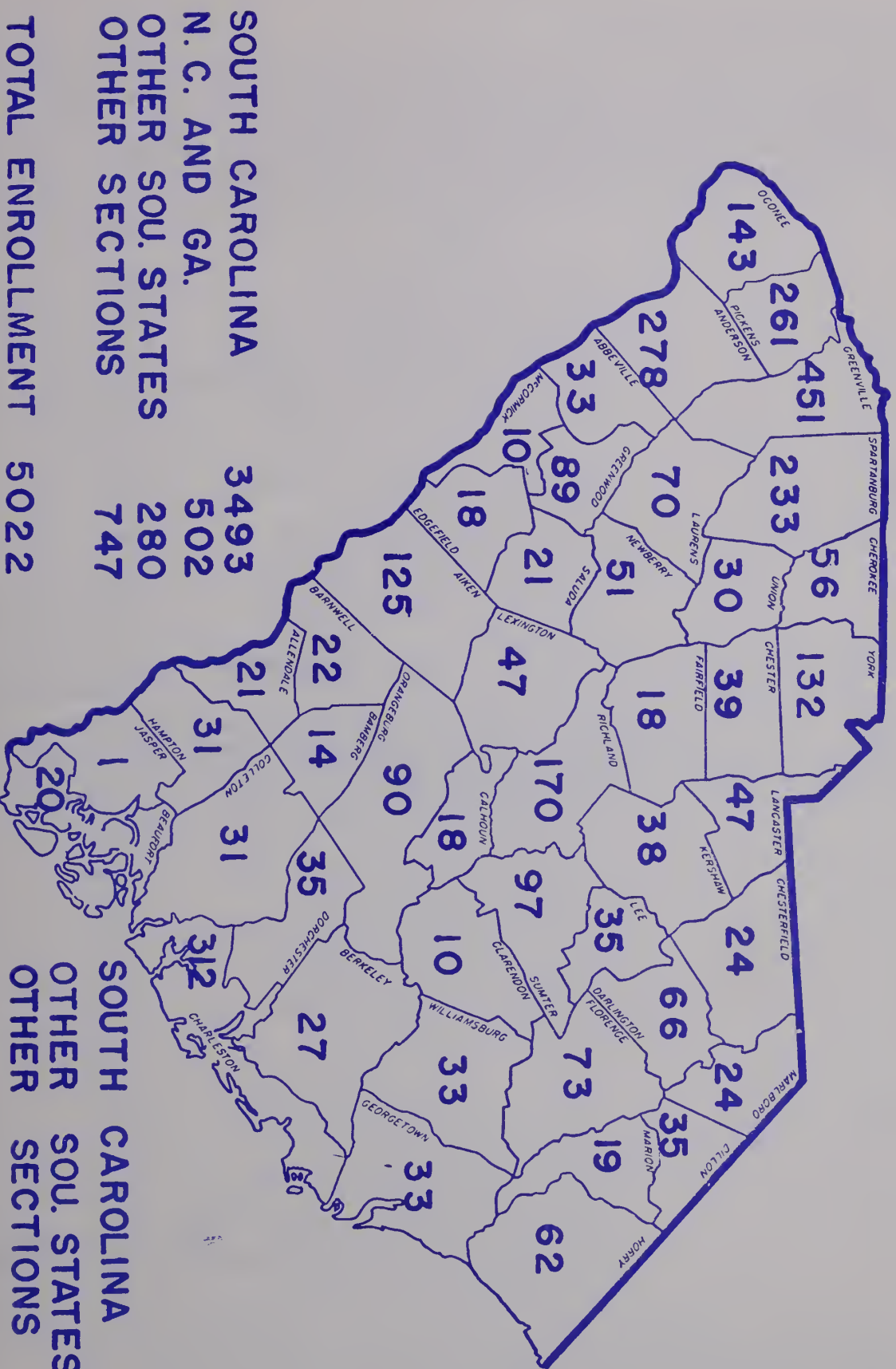
In all cases the Graduate School will underwrite the costs of the verbal and quantitative aptitude tests, and will also pay the costs of the advanced tests for those students graduating from departments where the advanced GRE is required. Students who elect not to take the advanced test at this time must do so on March 1, 1966.

Students from departments not requiring the advanced GRE may take an advanced test on Nov. 13 at their own expense.

Applications for the GRE may be picked up at the Graduate Office and must be returned to the Graduate Office by not later than October 15.

WHERE THE CLEMSON STUDENTS COME FROM

FIRST SEMESTER 1965 - 1966



Faculty With Foreign Experience

Recently in connection with the University's application for a Sigma Xi Chapter a study was made of faculty who have had a year or more of educational experience in a foreign nation. Thirty-five members of the faculty have had such experience in a total of twenty-seven different nations. Names of faculty, titles, and country of experience are:

<u>Name</u>	<u>Title</u>	<u>Country</u>
Antrim, J. C.	Asst. Prof. of Civil Engr.	Brazil
Burtner, F. A., Jr.	Professor of Sociology	France & Spain
Conis, J. N.	Asso. Prof. of Modern Languages	France
Cooper, J. B.	Assoc. Prof. of Poultry Science	Indonesia
Cox, H. M.	Head, Dept. of English & Mod. Lang.	Austria
Drew, L. O.	Assoc. Professor of Ag. Engr.	Lebanon & Pakistan
Dunkelberg, G. H.	Agricultural Engineer	India
El-Behery, H. M.	Visiting Lect. in Text. Science	Egypt
Fernandez, Elena G. (Mrs.)	Lecturer in Spanish	Cuba
Fernandez, G. J.	Asst. Professor of Spanish	Cuba
Goldemberg, M.	Assoc. Professor of Textiles	France
Green, C. E.	Professor of English	Australia
Halpin, J. E.	Assoc. Prof. of Botany & Bact.	Chile, Mexico, Colombia
Herlinger, W. B.	Assoc. Prof. of Modern Languages	Austria; Germany & Latin America
Kingsland, G. C.	Asst. Professor of Botany & Bact.	Honduras
Kwak, N.	Asst. Professor of Ind. Management	Korea
Lakshmi-Bai, C.	Asst. Professor of Elect. Engr.	India
McClure, H. E.	Dean, School of Architecture & Professor of Architecture	Sweden & England
McNatt, Jo Ann (Miss)	Instructor in French	France
Marinos, P. N.	Asst. Professor of Elect. Engr.	Greece
Means, G. C., Jr.	Professor of Architecture	Turkey
Meenaghan, G. F.	Assoc. Professor of Chem. Engr.	Canada
Park, S. O.	Asst. Prof. of Ind. Management	Korea
Patel, K. M.	Asst. Prof. of Mathematics	India
Peutl, E.	Visiting Professor of German	Austria
Rice, Mary O.	Instructor in English	China & Pakistan
Rich, L. G.	Dean, College of Engineering	Bolivia
Ritchie, R. R.	Professor of Animal Science	Japan
Savitsky, G. B.	Asso. Prof. of Chemistry	China
Seo, K.	Professor of Mathematics	Japan
Thurston, J. N.	Head, Department of Elect. Engr.	Venezuela
Venkatu, D. A.	Asst. Prof. of Metallurgical Engr.	India
Winter, J. P.	Assoc. Professor of English	Japan & Korea
Yang, T.	Assoc. Professor of Mech. Engr.	China & Taiwan
Young, J. L.	Professor of Architecture	Turkey

This list does not include those faculty who have done summer study in foreign institutions or attended foreign short courses and institutes. An additional forty of our faculty have had such experiences.

As a total, about eighteen per cent of the faculty have had teaching and/or study experience outside the United States.

STUDENT GRADES

Again in 1964-65 the percentage of failing grades declined while the percentage of A and B grades increased. The Table below gives the trend for the past five academic years. The fact that fewer grades were given as a total number this past year is due to rapidly increasing enrollments on all levels in the Bachelor of Arts programs where fewer credit hours are required.

TABLE 3
GRADE SUMMARY

<u>Year</u>	<u>Total Grades</u>	<u>A+B</u>	<u>C+D</u>	<u>F+WF</u>
1960-61	31,544	32.1	51.2	16.7
1961-62	36,970	36.6	51.2	12.2
1962-63	48,233	39.2	49.5	11.3
1963-64	50,253	40.4	49.1	10.5
1964-65	49,939	41.0	49.6	9.4

Freshman grade percentages for the 1964-65 year were:

<u>A&B</u>	<u>C</u>	<u>D+WP</u>	<u>F+WF</u>	<u>Total Number</u>
32.7	30.3	21.9	15.1	18,382

For 1963-64, by way of comparison, freshmen grades were:

<u>A&B</u>	<u>C</u>	<u>D+WP</u>	<u>F+WF</u>	<u>Total Number</u>
31.1	30.5	21.3	17.1	18,548

SUNRISE SEMESTER ON CHANNEL 7

Again this season, the Spartanburg TV station (channel 7) will carry the "Sunrise Semester" program from New York University. The time is 6:30-7:30 a.m.

Courses for the fall semester began on September 27. They are "The Age of Michelangelo," taught by professor Kathleen Weil-Garris Posner; and the "The Nature of Matter," taught by professor Morris H. Shamos.

RESEARCH EXPENDITURES, FISCAL 1965

The dollar volume of sponsored research at Clemson during fiscal 1965 (July 1, 1964-June 30, 1965) was \$4,563,485. This compares with \$3,851,127 in fiscal 1964.

The table below shows the dollar volume by major units of the University and by major source of funding.

RESEARCH DATA RECAP: July 1, 1964-June 30, 1965

<u>Unit</u>	<u>Federal Funded</u>	<u>State Funded</u>	<u>Funded From Other Sources</u>	<u>Total</u>
Agriculture & Biol. Sci.	\$1,363,921	\$1,832,015	\$339,965	\$3,535,901
Arts & Sci.	144,650	---	19,350	164,000
Engineering	454,292	187,151	126,630	768,073
IM-TS	<u>87,727</u>	<u>---</u>	<u>7,784</u>	<u>95,511</u>
University	\$2,050,590	\$2,019,166	\$493,729	\$4,563,485

The 1965 totals when compared with 1964 show increases in agricultural and engineering research, decreases in Arts and Sciences and Textiles. The engineering increase (\$427,328 to \$768,073) was especially noteworthy. The increase in agriculture and biological sciences included \$52,000 in water resources money, first in a series of federal grants for water research which will be enlarged each year.

It should be noted that institutes, training grants, short-courses, extension activity, public service work and the like are not included in the above totals.

FACULTY RESEARCH COMMITTEE INVITES PROPOSALS

The Faculty Basic Research Committee supports basic research in all areas. It also supports such projects as the publication of books, etc. For those interested, proposals (12 copies) should be forwarded to the Graduate Dean's Office by no later than Oct. 20. For further information, contact the Graduate Dean.

Proposals should indicate Title, Applicant, Objectives, Procedure (brief) Estimated Costs, (broken down into materials, labor, travel, etc.) and the signature of the applicant and his department head.

THE SUMTER CAMPUS

Announcement was made several months ago that Clemson would operate a junior college in the City of Sumter. A report on the Sumter program follows:

1. Clemson strongly supports for South Carolina a system of community colleges which, located in appropriate centers of population, would offer not only a sound college-transfer program, but two-year associate degree terminal courses, technical curricula, and non-credit "continuing" education for interested citizens. A bill to establish such community colleges was introduced in the South Carolina legislature late in the session just ended and will no doubt be re-introduced in 1966.
2. Meanwhile, the University of South Carolina has established (or is in the process of establishing) branches ("extension centers") at Aiken, Beaufort, Florence, Lancaster, Union, Conway and Allendale. These are two-year college-transfer programs operating as non-resident junior colleges. State-supported "TEC Centers" have been established at Clemson, Greenville, Spartanburg, Greenwood, York, Columbia, Sumter, Florence, Conway and Charleston. These offer non-college courses in technical fields and are currently seeking accreditation by the Southern Association of Colleges and Schools and the ECPD.
3. A group of Sumter citizens have asked Clemson to assist them in planning and operating a college-transfer program to be located near the TEC Center in their city. We have agreed to assist, and plans are underway to this end. The City of Sumter has erected the TEC Center on a city campus which now contains 35 acres of land and can easily be expanded. The college transfer program will be in a new building on this same campus, near the TEC Center. Plans for the college-transfer program building include administrative offices, eight general purpose classrooms, a language laboratory, a 156 seat lecture room, two chemistry laboratories, an engineering graphics laboratory, a botany lab, a zoology lab, sixteen faculty offices, a faculty lounge, seminar rooms, and a library. Extensive counselling services will be available for students.
4. Clemson staff who are assisting in planning the building include F. I. Brownley, Hugh Macaulay, W. M. Epps, J. H. Cochran, L. D. Huff, Carl McHugh, Morris Cox, J. K. Williams, M. A. Wilson and the academic deans. Preliminary sketches have been approved and design work is progressing. The Sumter group expect to have the building available for students by August, 1966. The academic program for freshmen and sophomores is to be the basic program now offered on the Clemson main campus and has been worked out by personnel in each of five undergraduate schools (architecture excluded since freshman-sophomore architecture will not be offered).

FACULTY SCHOLARSHIP PLAQUE

The Academic Faculty Senate last year recommended that a metal plaque be placed in Tillman Hall honoring those students who have won the academic faculty scholarship award. This plaque, designed by a Senate Committee, has been placed on the wall inside the main entrance to Tillman Hall.

BLUE CROSS OPENS ANNUAL RE-ENROLLMENT PERIOD

Representatives of Blue Cross-Blue Shield Insurance will be on Campus through October 25, 1965. This is the annual re-enrollment period for group insurance available to all faculty members and other regular employees of Clemson University.

During this re-enrollment period any member of the Blue Cross-Blue Shield program may make changes (additions, deletions, etc.) if desired to fit their individual and/or family needs. Initial applications will also be accepted during this period for those who desire insurance coverage through this plan.

New employees may apply for insurance anytime during their first 31 days of employment. Other employees may apply for insurance or request changes in present coverage only during the annual re-enrollment period, through October 25. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time.

Appointments may be made with the representatives by telephoning Mr. W. J. Stamey in the Personnel Office, Ext. 365.

GIFTS AND GRANTS

The following gifts and grants have been announced since the last issue of the Newsletter.

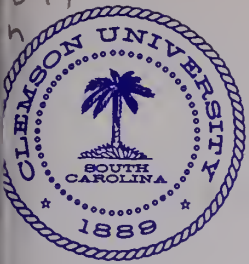
- from the J. E. Sirrine Textile Foundation, \$12,000 to IM-TS for graduate fellowships.
- from Geigy Chemical, \$3,000 to entomology for research on control of the face fly and horn fly.
- from Inland Container, \$1,000 to Food Science for research on surface decay of peaches.
- from Amer. Poultry and Hatchery Foundation, \$1,000 to Poultry Science for research on salmonellae.
- from Norwich Pharmacal, \$372 to Poultry Science for testing of compounds.
- from Deering Milliken, to IM-TS, a Bausch and Lomb Spectronic Colorimeter with attachments.
- from the Belle W. Baruch Foundation, \$21,000 for a professorship and four fellowships in Forestry.
- from the Southern Railway, two four-year scholarships, each worth \$1,000 a year and tuition, beginning in 1966-67, with two more to be added each year until eight are in force at an eventual annual cost of approximately \$12,000.

PERSONAL MENTION

- L. D. Reamer (forestry) has been granted leave in order to do graduate study.
- J. L. Richardson (IM&TS) has served as a technical director for a 16 mm. industrial color film production entitled "Performance Rating in the Textile Industry."
- L. G. Rich (engr.) served as a member of a Public Health Service advisory panel in Washington, September 22-24.
- A. E. Schwartz and J. P. Rostron (CE) represented the University at the Sixth International Soils Conference at Montreal, Canada, from September 8 through September 15.
- J. L. Edwards (ME) attended a Regional Administrative Committee meeting of the American Society of Mechanical Engineers in Winston-Salem, N. C. on September 11. Professor Edwards is Chairman of the Sections Committee of Region IV, ASME.
- An article by L. G. Rich (Engr) entitled "Waste Disposal on Space Craft and Its Bearing on Terrestrial Problems" has been published by the U. S. Public Health Service as a Bulletin in its Environmental Health Series. Dean Rich was the principal speaker at an ASCE meeting in Augusta, Ga. on the night of September 15. His subject was "Water Reuse--A Challenge to Technology."
- John Acorn, Robert Hunter, and Ireland Regnier (Architecture) are now exhibiting a group of their drawings at the Greenville-Spartanburg Airport through October 30, 1965.
- Richard C. Fox (Ento) has been elected Counselor to the Southern Forest Insect Work Conference. He will have a three-year term. His election came at the Gainesville, Florida meeting of the Conference.
- Mrs. May Ringold (hist.), J. L. Flatt (Math.), John Idol (Engl.), and Jack Rush (Bot.) have been appointed to an advisory committee on University teacher education programs.
- T. D. Efland (IM-TS) will serve as chairman of the session on Effective Preventive Maintenance at the American Textile Machinery Manufacturers Association on Textile Mill Management in Atlantic City on October 2.
- J. E. Miller (Phys.) has been appointed as official liaison for 1965-66 between the Academic Faculty Senate and the Research Faculty Council. Dr. Miller is an elected member of both faculty organizations.
- K. N. Vickery (Adm.) presented a paper Oct. 1 to the SE Conference on Educational Testing, at Athens, Georgia. The paper was "Use of Tests in the Prediction of College Success."
- Cecil Godley (AnSci) has been invited, as chairman of the Research Faculty Council, to sit as a member of the University Educational Council.
- Joe Sherman (PR) was a consultant guest at the Executive Committee planning session of the Mason-Dixon District of the American College Public Relations Association.

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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 5

October 15, 1965

OCT 20 1965

CALENDAR: OCTOBER 15-NOVEMBER 2

Oct. 15	F	Freshman Football: Clemson v. Univ. of Georgia.
Oct. 20	W	Howard Shapley (Cosmography, Harvard) will lecture on "Galaxies and Mankind." 8 p.m., Earle Hall Auditorium. <u>Sigma Xi Lecture--Everyone invited.</u>
Oct. 22	F	<u>TIGERAMA.</u> 7 p.m. "Death Valley."
Oct. 22-23	F,S	Homecoming Dances: Dining Hall
Oct. 23-Nov. 13		Exhibit: "The Architect Chooses Art." Rudolph Lee Gallery, Architecture.
Oct. 23	S	Football: Clemson v. TCU. <u>Homecoming.</u>
Oct. 25	M	Ernst Brendl (Architect--Notre Dame Univ.) will lecture. 8 p.m., Architecture Auditorium.
Oct. 26	T	F. L. Bell (V-P, Springs Mills) will lecture on "Community and Employee Relations." 11 a.m., Sirrine Auditorium.
Oct. 28	Th	R. L. Stoddard (Mayor, Spartanburg) will lecture on "Municipal Operations and Industrial Relations." 2 p.m., Sirrine Auditorium.
Oct. 28	Th	J. A. Bertrand (Chem., Ga. Tech.) will lecture on "Five-Coordinate Complexes of Transition Metal Ions." 4 p.m., Room 118 Brackett Hall.
Oct. 28	Th	Concert: Goldovsky Opera Theatre--Mozart's "Don Giovanni." 8 p.m., Field House.
Oct. 29	F	Freshman Football: Clemson v. Georgia Tech.
Oct. 30	S	Football: Clemson v. Wake Forest.
Nov. 2	T	Academic Faculty Senate: Regular meeting. 4:15 p.m. Room 1, Physics.
Nov. 2	T	<u>ELECTION DAY.</u>
Nov. 2	T	Sage Club. 6:30, Clemson House.
Nov. 2	T	K. W. Bahlo (V-P., Crompton & Knowles-Malimo) will lecture on "Fabrics & Their High Speed Manufacture." 11 a.m., Sirrine Auditorium.

CURRICULUM CHANGES AND NEW PROGRAMS

The university Curriculum Committee and the Educational Council have approved the following curriculum changes and additions:

I. 21 new courses, as listed, will be offered by appropriate departments.

- (a) Botany 202 -- Survey of the Plant Kingdom--4 cr. (3&3). (To substitute for Bot. 356 in sophomore year of the biology curriculum).
- (b) Botany 457--Phycology--3 cr. (2&3).
- (c) ESE 581--Special Problems in Environmental Systems Engineering--1-4 cr.
- (d) ESE 591--Graduate Research--1-6 cr.
- (e) ESE 691--Doctoral Research--1-18 Cr.
- (f) IM 613--Systems Analysis--3 cr (3&0).
- (g) EE 514--Nonlinear Automatic Controls--3 cr. (3&0).
- (h) EE 520--Sampled Data Control Systems--3 cr. (3&0).
- (i) EE 522--Electromagnetic Theory--3 cr. (3&0).
- (j) EE 523--Antenna Theory--3 cr. (3&0).
- (k) EE 524-- Antenna Lab.--1 cr. (0&3).
- (l) EE 532--Microwave Lab.--1 cr. (0&3).
- (m) EE 531--Microwave Engineering--3 cr. (3&0).
- (n) EE 508--Statistical Theory of Communications II--3 cr. (3&0).
- (o) EE 509--Information Theory--3 cr. (3&0).
- (p) EE 517--Active Network Synthesis--3 cr. (3&0).
- (q) EE 526--Modern Electronic Devices--3 cr. (3&0).
- (r) EE 526--Theory and Design of Logic Systems--3 cr. (3&0).
- (s) EE 691--Doctoral Research--3-16 cr.
- (t) ME 550--Mechanical Engineering Design I--3 cr. (3&0).
- (u) ME 551--Mechanical Engineering Design II-3 cr. (3&0).

II. The Ph.D. degree will be offered in Electrical Engineering, effective in January, 1966.

The program has been in the active planning state for two years; faculty, equipment, and library resources have been provided for the program; and supporting departments (e.g., math) have been strengthened.

CURRICULUM CHANGES AND NEW PROGRAMS CONTINUED

- III. Economics 201 will be dropped from the list of required courses in the Pre-pharmacy curriculum and replaced with a three-hour social sciences elective other than Economics 201. An economics course similar to our 201 is required of all pharmacy students at the School of Pharmacy in Charleston.
- IV. Chemical Engineering will revise its curriculum so as to add courses in computer theory and practice, and the necessary prerequisites. Changes would be effective for the classes of 1967, 1968 and thereafter.

No new courses are required for the curriculum for the class of 1967. Only one course change is required for the curriculum for the class of 1968 and afterwards and that is adding one credit to ChE 410. In each curriculum a course has been added in advanced digital computation and in analog computation. ChE 425 will be the computer course for the class of 1967. This course has been taught for several years as an elective and the subject matter is concerned with the use of the digital computer in solving chemical engineering problems. The course in analog computation is ChE 307 which has also been taught previously as an elective.

Basic changes to be made include:

- add Physics 122 to freshman year, drop IE 101.
- add ChE 299 to sophomore year.
- replace sophomore physics 211, 212, 213, 214 with Physics 221, 222, 223, 224.
- add math 309 in junior year, drop math 306.
- add computer elective in junior year, drop "approved elective."
- add ChE 453 in senior year, drop ChE 411.
- add CerE 419 in senior year, drop MetE 302.
- add ChE 410 in senior year, reduce humanistic-social elective from 5 to 3 credit hours.

ADDITION TO CHEMISTRY FACULTY

Albert R. Pinder of Sheffield, England will join the faculty in January as professor of chemistry. He holds the B.Sc., Ph.D., and D.Sci. degrees from the University of Sheffield and Oxford. His teaching experience includes fifteen years at Oxford, Queen's University in Belfast, and the University of Wales. He has also been visiting professor for a year at Florida State University. He is a member of several professional societies and has been the author of a number of books and articles. His wife, Pamela Oliver Pinder, is from New Ferry, Cheshire, England, and they have two daughters, 12 and 8 years of age.

A NOTE ON THE CLEMSON COLISEUM

Plans are taking shape for the construction soon of a multi-purpose building for concerts, plays, basketball games, graduation exercises and similar events.

J. E. Sirrine and Company have been commissioned to design the building and the following requirements are being considered:

- (a) Number of permanent seats--10,000;
- (b) Arena floor size--basketball court plus boundaries;
- (c) Budget--\$2,000,000.00

The site at this point is undertermined, but it is proposed that the building be located west of "A" Street and east of Stadium Road. It is hoped that final plans can be completed and construction begun so that the coliseum will be ready for use in 1967.

BLUE CROSS OPENS ANNUAL RE-ENROLLMENT PERIOD: A REPEAT ANNOUNCEMENT

Representatives of Blue Cross-Blue Shield Insurance will be on Campus through October 25, 1965. This is the annual re-enrollment period for group insurance available to all faculty members and other regular employees of Clemson University.

During this re-enrollment period any member of the Blue Cross-Blue Shield program may make changes (additions, deletions, etc.) if desired to fit their individual and/or family needs. Initial applications will also be accepted during this period for those who desire insurance coverage through this plan.

New employees may apply for insurance anytime during their first 31 days of employment. Other employees may apply for insurance or request changes in present coverage only during the annual re-enrollment period, through October 25. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time.

Appointments may be made with the representatives by telephoning Mr. W. J. Stamey in the Personnel Office, Ext. 365.

UNITARIAN FELLOWSHIP

There is no Unitarian Church in Clemson but there is an organized Fellowship (complete with church school) which meets each Sunday at 11:00 a.m. in the North Room of the YMCA. Visitors are invited to attend. John Bregger (654-2213) is president.

THIS YEAR'S FRESHMAN CLASS: A PROFILE

The current freshman class of 1479 (exclusive of 102 transfers) is the largest freshman class by 225 to enroll in the University. More importantly, the class continues the year-by-year improvement in preparation for college begun in 1956 when the institution adopted a policy of selective admissions.

The mean total score on the Scholastic Aptitude Test (SAT) rose only slightly this year to 1003 from 998 a year earlier; however, this indicator has risen from 818 in 1957 and the year-by-year changes from this point will be small. The most significant predictor of college success is the student's high school rank and the per cent of freshmen who graduated in the upper one-half of their respective classes rose from 78 per cent last year to 84 per cent in 1965. In 1957, 65 per cent of the freshmen graduated in the upper one-half of their respective classes.

The improvement in class rank over 1964 is shown in this table:

Secondary School Class Rank	1964		1965	
	Number	Per Cent	Number	Per Cent
Top Fifth	416	33.2	550	37.2
Second Fifth	399	31.8	498	33.7
Third Fifth	303	24.1	322	21.8
Fourth Fifth	109	8.7	92	6.2
Bottom Fifth	17	1.4	12	.8
Not Available	10	.8	5	.3
Total	1,254	100.0	1,479	100.0

In 1964, 118 freshmen had total SAT scores of 1200 and above. For 1965 this figure is 144. At the opposite end of the scale, 82 had total SAT scores of below 800 in 1964 while only 73 had scores in this range in 1965. For the past five years the university has not taken a student with a total score of less than 700.

The following table is a profile of scores earned by members of the 1965 freshmen class.

Score Range	Scholastic Aptitude Test		Ach. Test	Total SAT Score	
	Verbal	Math	Math	Score Range	No.
750-800	0	6	9	1500-1600	0
700-749	8	44	21	1400-1499	11
650-699	26	105	52	1300-1399	28
600-649	63	195	126	1200-1299	105
550-599	156	311	231	1100-1199	242
500-549	249	328	306	1000-1099	354
450-499	344	273	284	900-999	386
400-449	331	171	260	800-899	280
350-399	216	42	87	700-799	73
300-349	76	4	18	600-699	0
250-299	8	0	0	500-599	0
200-249	2	0	0	400-499	0

Apparently the \$250 additional tuition for nonresident students did not greatly alter the geographic distribution of freshmen this year as compared with the 1964 class. A comparison of the two years is shown here.

State	1964 No.	1965 No.	State	1964 No.	1965 No.
Alabama	5	3	New Hampshire	2	1
Colorado	2		New Jersey	72	71
Connecticut	7	4	New York	48	31
Delaware	2	4	North Carolina	52	72
Florida	24	32	Ohio	6	9
Georgia	60	65	Oklahoma		1
Hawaii	1		Pennsylvania	34	23
Illinois	4	3	Rhode Island	1	1
Indiana	2		South Carolina	844	1060
Iowa	1		Tennessee	11	15
Kentucky	3	2	Vermont		1
Louisiana		2	Virginia	24	26
Maine	1		Washington	1	1
Maryland	28	34	West Virginia	5	
Massachusetts	2	5	Wisconsin	2	
Michigan	1	1	Dist. of Columbia		4
Missouri		1	U. S. Possessions	6	3
Nebraska	1		Foreign Countries	2	4

POST-DOCTORAL STUDY IN RELIGION

The Society for Religion in Higher Education is offering a number of post-doctoral fellowships to encourage the growing interest in the relation of scholarship in religion to scholarship in other fields of study. These fellowships are made possible through a grant from The Danforth Foundation. Grants are available to scholars in the humanities, social and natural sciences for a year of study in religion.

Scholars applying for these grants must have the Ph.D. or equivalent plus at least three years of teaching experience. Maximum stipend is \$8,500.

For additional information and application forms, write David R. Hauser, Executive Director, The Society for Religion in Higher Education, 400 Prospect Street, New Haven 11, Connecticut. The application deadline is December 1, 1965

PERSONAL MENTION

--T. C. Hardin (ME) presented a paper on "Freeze Drying" at a Mechanical engineering colloquium in Charlottesville, Virginia, September 28.

--L. G. Rich (enr.) addressed the Water Resources Conference in Albuquerque, New Mexico, October 5.

--R. W. Henningson (Dairy Sci) attended the annual meeting of the Association of Official Agricultural Chemists, October 11-14, 1965, at Washington, D. C. He presented a paper entitled "Effect of Variations in the Thermistor Cryoscopic Method for the Determination of the Freezing Point Value of Milk."

--W. H. Wiley (Agric) has been appointed by the Southern Regional Education Board to a three-year term on the Agricultural Science Graduate Education Committee.

--E. Arthur Dreskin (Med Tech) has been elected president of the American Association of Blood Banks. His election came at the organization's 18th annual meeting in Miami Beach.

--Virginia Hardie (Counseling) was one of five featured speakers at the Georgia School Superintendents' Research and Educational Development Program, "Operation Bootstrap", at Rock Eagle on September 30, 1965. This is a cooperative program sponsored by the Georgia Association of School Superintendents, the State Department of Education, and the College of Education, University of Georgia.

--J. K. Williams (Adm) was chairman of the Southern Association of Colleges' Self-Study Evaluation Committee which visited Duke University October 10-14.

--R. C. Edwards (Adm) has begun his term of office as President of the Council of S. C. State-Supported Colleges.

--W. B. Barlage (Ch.E.) delivered a paper on "Viscometry of Non-Newtonian Fluids" before the Western North Carolina Section of the American Institute of Chemical Engineers, September 30.

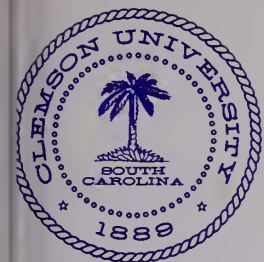
--At a meeting held in Atlantic City on September 25, Thomas D. Efland (IM-TS) was elected President of the National Council for Textile Education.

--Alfred Newton (I.Ed) read a paper ("Construction Industries--An Area of Study for Industrial Arts") on October 9 in Atlanta at the SE Industrial Arts Conference.

--Since mid-September President Edwards has attended a two-day session in Washington, D. C. as one of thirteen members of a "Citizens Advisory Committee to the Secretary of Agriculture"; addressed the conference of Southern Extension Leaders in Lexington, Kentucky; met in Columbia with the newly-organized State Advisory Commission on Higher Education; and represented South Carolina's state-supported colleges and universities at the Kansas City meeting of the "National Compact for Education."

--B. R. Skelton (econ) has been elected to the Academic Faculty Senate, replacing Mrs. H. H. Hill (hist.) who is on graduate study leave.

--J. H. Couch (Ind Engr) was presented an Adams Memorial Membership to the American Welding Society at the October 4 meeting in Birmingham, Alabama.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 6

November 1, 1965 NOV 3 1965

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Nov. 2	T	Academic Faculty Senate: Regular meeting. 4:15 p.m. Room 1, Physics.
Nov. 2	T	Sage Club. 6:30 p.m., Clemson House.
Nov. 2	T	K. W. Rahlo (V-P., Crompton & Knowles-Malimo) will lecture on "Fabrics & Their High Speed Manufacture." 11 a.m., Sirrine Auditorium.
Nov. 2-13		Exhibit: "The Artist Choose Art." Lee Gallery, Architecture.
Nov. 5	F	Freshman Football: Clemson v. USC.
Nov. 5-6	F-S	Contemporary Film Series. "They Came to Cordera", 7 p.m. Civil Engr. Auditorium.
Nov. 8	M	Concert--Mantovani. 8 p.m., Field House.
Nov. 9	T	Norman Self (Chemstrand-Decatur, Ala.) will speak on the work of industrial engineers. 8 p.m., Room 101 Physics. At this meeting E. Laitala, J. H. Couch, and Mrs. Norma Elkin will be presented honorary memberships to AIIE.
Nov. 12	F	M. J. Sienko (Chemistry, Cornell University) will lecture on "Metal-Ammonia Solutions" at 4 p.m. in Room 118 of the Chemistry Building, and again at 8 p.m. in Room 1 of the Chemistry Building on "The Chemical and Physical Nature of the Lunar Surface." He is touring under the auspices of the American Chemical Society.
Nov. 13	S	Football: Clemson v. Maryland.
Nov. 16	T	L. L. Heffner (USDA) will lecture on "Flame Proofing of Textiles." 11 a.m., Sirrine Auditorium.
Nov. 22	M	Plant and Animal Science Building Auditorium, 7:30 p.m., Meeting of all Clemson alumni who are members of the University staff with Clemson Alumni Association President William H. Grier, President-elect Henry C. Coleman and Clemson Foundation President Pat N. Calhoun.

REPORT OF FACULTY SENATE MEETING

The Faculty Senate met at 4:15 p.m. on October 5 in Room I of the Physics Building, President J. M. Stepp presiding. After the minutes of the preceding meeting had been corrected and approved, and new members from the School of Education introduced, Dr. Stepp made the following announcements:

- The Faculty Scholarship plaque had been mounted;
- J. E. Miller would act as a liaison man between the Faculty Senate and the Research Council;
- A faculty member of the Citadel had requested and had been given information on the functions of Clemson's Faculty Senate.

Chairmen of committees were asked for their reports. Gray Dinwiddie (Welfare) announced that flu immunization shots would be given from 4:00 to 6:00 p.m. on October 14 in Room I of the Physics Building, cost: \$1.00. H. G. LeFort (Policy) had no report. C. A. Reed (Admissions and Scholarship) presented a resolution that the advice of the University lawyer be sought before action is taken on a proposal to require a student's criminal record as a part of his application materials. A motion to accept the resolution was passed.

J. E. Miller's resolution honoring the late J. C. Cook and expressing sympathy to his family was unanimously approved.

Professors J. T. Long (Committee on the Revision of the Constitution) and H. M. Felder, Jr. (Steering Committee for a Funeral Society) had no reports.

After pointing out the unbalance in the expiration dates of present Senators' terms of office, President Stepp proposed an amendment of Article 11, Section 1, Paragraph 2 of the By-Laws of the Clemson University Faculty Senate to substitute the words "odd-numbered calendar years" for "calendar years divisible by three." Action will be taken on the resolution at the next meeting of the Senate.

President Stepp read a letter from Dean J. K. Williams requesting suggestions from the Senate concerning the University's graduating exercises. A committee will be appointed to make recommendations on this matter.

The meeting adjourned at 4:50 p.m.

Absent:

W.C. Bowen
C. Q. Brown
E. B. Eskew
E. A. Gunnin
Edward Pinckney
Joel Richardson
T. L. Senn
M. S. Steadman
J. R. Sullivan

REPORT ON BOARD OF TRUSTEES MEETING

The University Board of Trustees met on October 29 at Clemson. The Board reviewed informational reports presented by President Edwards and took these general actions:

--passed resolutions of appreciation for recent gifts to the University from the Belle W. Baruch Foundation; and Mr. Charles E. Hammond (Class of 1942).

--officially defined a graduate assistant as "a student with a baccalaureate degree from an approved institution who contracts to devote a minimum of ten working hours per week to the University for at least a full semester."

--authorized President Edwards to act as a member of the State Council of State-supported College Presidents, within the framework of institutional policy as established by the Board.

--promoted Walter T. Cox, Dean of Student Affairs, to Vice President for Student Affairs.

--authorized J. K. Williams to act as secretary of the Board in the absence or inability to act of the regularly appointed secretary.

--authorized President Edwards to execute a 25 year lease with the U. S. Corps of Engineers for five acres of lake shore frontage to be used as a recreational area for students and YMCA members.

--raised the fee charged graduate students for thesis binding from \$3.00 to \$3.75 (effective January 1, 1966).

--increased the cost of dining hall fees to all students from \$190 to \$210 per semester, beginning with the 1966-67 academic year.

In addition, the Board agreed to several land exchanges and easements involving small acreages; established a \$100,000 surety bond for the vice president for business and finance; let a contract for a \$18,800 tobacco grading building at the Pee Dee Station; authorized the vice president for business and finance to convert, transfer, assign or otherwise dispose of securities and stock; and authorized the vice president for business and finance to execute construction change orders on behalf of the University.

ASF FELLOWSHIPS FOR GRADUATE STUDY IN SCANDANAVIA--1966-67.

Fellowships for the study of Chemistry and other subjects are available in Sweden, Denmark, Finland, Iceland, and Norway. Applications must be filed by January 15, 1966. Interested persons should write to the Exchange Division, The American-Scandinavian Foundation, 127 E. 73 rd. Street, New York, N. Y. 10021.

THE HONORS PROGRAM

Nineteen honors courses enrolling 123 students are underway this semester, making the University Honors Program the largest ever. A total of 86 students make up the honors student list and many of these are enrolled in two courses.

Honors courses this semester include chemistry 481 and 521; economics 521; electrical engineering 285, 289, 382, and 471; English 181 and 283; history 181 and 184; mathematics 186, 286, 386 and 483; Physics 281; and Zoology 381.

Honors professors are F. B. Brown and J. G. Dinwiddie (Chem.); H. H. Macaulay (econ.); R. Kersey, W. T. Zink, C. P. Goodin, W. L. Ball and J. T. Long (EE); C. M. Israel, C. O. Caskey and Coburn Gum (Engl.); E. M. Lander and C. W. Bolen (Hist.); C. V. Aucoin, A. T. Hind, E. Park and W. R. Hare (Math); E. P. Stillwell (Phys.); and R. E. Ware (Zoo).

Of the 86 students enrolled in Honors, no one has a cumulative G.P.R. below 3.0 and the average is about 3.7.

ADDITION TO HORTICULTURE FACULTY

Joseph R. Haun of Edinburg, Virginia will join the faculty in Horticulture next semester as an associate professor. He has the A.B. degree from Berea College (in geology) the M. S. Degree in horticulture from the University of Maryland, and the Ph.D. in plant physiology from the University of Maryland. In addition to teaching experience at Maryland he served for five years with E. I. duPont in Wilmington, Delaware and for ten years in horticultural work for Insect Control and Research (Baltimore), USDA at Beltsville, Maryland, and Cherry Hill Plantation, Richmond Hill, Georgia. He is the author or co-author of two dozen research papers.

Dr. Haun is married and he and his wife Ruth have five children.

SPORTS NOTE

It hasn't made the sports headlines but the Clemson Varsity Rifle team, which won the ACC title last year, and the 3rd Army Championship, is undefeated again this year. Match results thus far are:

<u>Date</u>	<u>Place</u>	<u>Opponent</u>	<u>Score</u>	
			<u>Clemson</u>	<u>Opponent</u>
17 Sept. 65	Clemson	N. C. State	1329	1303
24 Sept 65	Spartanburg	Wofford	1309	1240
8 Oct 65	Clemson	Davidson	1331	1088
9 Oct 65	Athens	Univ. of Georgia	1344	1295

ESTIMATED NUMBER OF BACHELORS DEGREES TO BE AWARDED

<u>School and Major Course</u>	<u>Dec. 1965</u>	<u>May and August 1966</u>	<u>Total</u>
COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES			
Agricultural Economics	0	8	8
Agronomy	3	3	6
Animal Science	6	5	11
Biology	5	20	25
Dairy Science	0	6	6
Entomology	0	1	1
Food Science	0	3	3
Forestry	2	18	20
Horticulture	5	11	16
Poultry Science	0	6	6

SCHOOL OF ARCHITECTURE

Architecture	3	30	33
Building Construction	0	4	4

COLLEGE OF ARTS AND SCIENCES

Arts and Sciences (BA)	28	131	159
Arts and Sciences (BS)	1	0	1
Chemistry	0	11	11
Geology	1	0	1
Mathematics	0	27	27
Medical Technology	1	1	2
Physics	0	11	11
Pre-Medicine	3	31	34

SCHOOL OF EDUCATION

**Agricultural Education	3	12	15
Education	1	0	1
Industrial Education	4	6	10
Science Teaching	0	2	2

COLLEGE OF ENGINEERING

*Agricultural Engineering	0	5	5
Ceramic Engineering	2	17	19
Chemical Engineering	2	33	35
Civil Engineering	9	49	58
Electrical Engineering	14	53	67
Industrial Engineering	2	13	15
Mechanical Engineering	16	51	67
Metallurgical Engineering	0	2	2

SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILES

Industrial Management	22	105	127
Textile Chemistry	1	5	6
Textile Management	13	30	43
Textile Science	0	9	9
Textiles	0	0	0

TOTAL.....147.....719.....866

SCHEDULE ANNOUNCED FOR CONTINUING EDUCATION CENTER

Fourteen new courses will be offered in the 13th annual series of classes to be conducted on the Clemson Campus by the Clemson Area Continuing Education Center this winter. These non-credit classes will be held on the six consecutive Tuesday evenings of February 15, 22, March 1, 8, 15, and 22, 1966.

Details of the program such as courses to be offered, instructors to teach them, places and hours of meeting for each course and other necessary information have been completed. A descriptive brochure listing registration procedure and fees will be ready for wide distribution about Jan. 1.

Forty-four courses will be offered. They cover a wide variety of subjects of interest to adults in the fields of history and world affairs, philosophy and psychology, science and business, home and garden, the homemaker, arts-crafts-hobbies, and recreation.

In most instances the classes will be taught for a fifty-minute period, making it possible to take two courses each evening, with a break between classes. Other courses will be scheduled for double and triple periods.

The Clemson Area Continuing Education Center operates on a non-profit basis. A. M. Musser is president of the Steering Committee. Other officers are J. N. Thurston vice president; Mrs. H. H. Willis, secretary; and M. A. Bearden, treasurer. New members of the Steering Committee are S. White Rhyne, Everett Laitala and Paul Wood.

Mrs. John T. Bregger is chairman of the program committee and director of the Center, assisted by Miss Virginia Shanklin. Additional information may be obtained by writing Box 209, Clemson, or calling 654-2139.

NSF POSTDOCTORAL FELLOWSHIPS

As a means of promoting the progress of science, the National Science Foundation plans to award approximately 180 postdoctoral grants in the sciences.

Awards of National Science Foundation Postdoctoral Fellowships will be made for study or work in the mathematical, physical, medical, biological or engineering sciences, anthropology, economics, geography, the history and philosophy of science, linguistics, political science, psychology and sociology. Also included are interdisciplinary areas which are comprised of overlapping fields among two or more sciences (for example, geochemistry, meteorology, and oceanography). The fields of research and study covered by these awards are limited to those which conform to accepted standards of scientific inquiry by fulfilling the requirements of the basic scientific method as to objectivity, verifiability and generality. Fellowships are not awarded for support of study or work toward the M.D., D.D.S., or D.V.M. degree nor for study or work in business administration, clinical medicine, clinical psychology or social work.

Closing date for receipt of applications, December 13, 1965. See the Graduate Dean for details.

EDUCATION DATA--THE SOUTH

The Southern Regional Education Board this month released data concerning Southern Colleges and degree production. The data are based on the 1963-64 academic year. Highlights of the data review are:

1. The field of education accounts for a fourth of all bachelor's degrees in the South. Two fields account for almost half of all bachelor's degrees--education and business.
2. Fields in which the South awards a smaller proportion of the nation's bachelor's degrees than is its share of college enrollment (24.5 per cent) are engineering, fine and applied arts, foreign languages and literature, geography, military science, philosophy, the physical sciences, psychology and the social sciences.
3. Three fields (health professions, law and religion) account for 80 per cent of major professional degrees in the South; three (education, engineering and social science) account for 64 per cent of all master's degrees; and three (education, physical science, and biological science) account for half of all doctorates.
4. The Southern private institutions produce 1 out of 5 master's degrees, 1 out of 4 doctorates, 1 out of 3 bachelor's degrees and 1 out of every 2 major professional degrees.
5. In the United States, men received 47 per cent of bachelor's degrees, 68 per cent of master's degrees, 88 per cent of major professional degrees and 93 per cent of doctoral degrees.
6. The Southern higher educational structure which at successive levels finally results in the production of bachelor's and advanced degrees costs the institutions an average of about \$1,500 per student per year in operating expenses.
7. About half as many students graduated last year as had enrolled in Southern colleges and universities four years earlier.
8. The Southern region's production of degrees has in 9 years increased 66 per cent at the bachelor's level, 42 per cent at the master's level and 107 per cent at the doctor's level.

UNIVERSITY STAFF ALUMNI TO MEET

Monday evening, November 22nd, the more than 200 Clemson alumni who are members of the University staff will meet with Alumni President William H. Grier (of Rock Hill), Alumni President-elect Henry C. Coleman (of Daytona Beach, Fla.) and Clemson Foundation President Pat N. Calhoun (of Charlotte) to discuss the programs of the Clemson Alumni Association and the purposes and objectives of the Clemson Alumni Loyalty Fund. The meeting will be held in the auditorium of the Plant and Animal Science Building at 7:30 p.m. All campus alumni are urged to attend.

NSF GRADUATE FELLOWSHIPS 1966-67

As one means of promoting the progress of science in the United States, the National Science Foundation plans to award approximately 2,200 Graduate Fellowships for the 1966-1967 academic year. At least half of these awards will be made as renewals or continuations of Graduate Fellowships now held; the remainder will be awarded to unusually able "new" applicants.

Awards of National Science Foundation Graduate Fellowships will be made for study or work leading to masters' or doctoral degrees in the mathematical, physical, medical, biological or engineering sciences, anthropology, economics, geography, the history and philosophy of science, linguistics, political science, psychology, and sociology. Also included are interdisciplinary areas which are comprised of overlapping fields among two or more sciences (for example, geo-chemistry, meteorology and oceanography). Awards are not made to individuals for study in programs leading to the M.D., D.D.S., or D.V.M. degrees, nor for study leading to advanced degrees in business administration, clinical medicine, clinical psychology or social work. Applications may be obtained from the Graduate Dean. Applications must be filed by Dec. 10, 1965.

NDEA - TITLE VI, MODERN FOREIGN LANGUAGE FELLOWSHIP PROGRAM

Undergraduate, graduate, and post-doctoral fellowships are provided to support and encourage individuals for advanced training in languages designated as being of critical importance to the United States and in related fields of study. These Title III fellowships (with some exceptions) are for study within the United States as contrasted to Fulbright-Hays fellowships which are for study abroad. No awards will be made under Title VI for the study of French, German, Italian, or Peninsular Spanish. For further information contact the Graduate Dean's Office.

GIFTS AND GRANTS

Gifts and grants noted below have been announced since the last issue of the Newsletter was printed.

--to IM-TS from the Celanese Corporation, \$2,500 for unrestricted uses.

--to the Pee Dee Station (cooperating with USDA) from USDA, \$7000 for a study of control of cotton insects.

--to agronomy from the S. C. Plant Food Institute, \$1500 to support the "Plant Science News."

--to Animal Science from the Columbia Nitrogen Corporation, \$2508 for research on animal food supplements.

--to forestry from AEC, \$16,000 for forest management research at the Savannah River Plant.

--to engineering from Humble Oil Education Foundation, \$2500 for unrestricted student use.

PERSONAL MENTION

--Victor Hurst (Grad School) has been appointed as Clemson coordinator for all Public Health Service training grants and fellowships.

--O. W. Lloyd (Ext.) has been promoted to leader of a new activity in the Cooperative Extension program. His title, which was community and rural development specialist, is now Leader, Extension Community and Resource Development. M. H. Sutherland (Ext.) has also been promoted to a specialist position in resource development.

--Andrew Sobczyk, E. L. Bethel, and T. G. Proctor (Math) are to present papers at the November 12-13 meeting of the American Mathematics Society in Lexington, Kentucky. In addition, W. R. Hare and J. W. Kenelly (Math) will present a joint paper; as will Andrew Sobczyk and Robert Silber (a graduate student in math).

--H. L. Hunter (A&S) and Gordon Gourlay (Lib) were members of a Southern Association of Colleges' evaluation team which visited Texas Western College in El Paso on October 17-20.

--Bruce D. Cloaninger (Fertilizer Anal.) addressed the National Association of State Departments of Agriculture at their National Meeting at Princeton, New Jersey, on October 4th. His subject was "The Uniform Fertilizer Tonnage Reporting System." Mr. Cloaninger also appeared on a program sponsored recently by the fertilizer industry and TVA.

--T. C. Hardin (ME) presented a paper ("Heat and Mass Transfer Mechanisms in Freeze-drying") on September 28 at the University of Virginia.

--The Clemson Extension Service, in cooperation with the S. C. Internal Revenue Service and the S. C. Association of Public Accountants, will present a series of four short courses on income tax matters related to farms and small businesses. Courses are scheduled for Cayce, S. C., on November 1-3; Florence, S. C., on November 15-17; Greenville, S. C. on December 6-8; and Charleston, S. C. on December 13-15.

--Harlan McClure (Arch) spoke on "Contemporary Architecture" at the Gibbs Gallery in Charleston on October 27. He will address the Chester Historical Society on November 15.

--H. H. McGarity (Music) and Mrs. McGarity were presented in a concert of duo-piano music on October 8 as part of the Fine Arts Series of Central Wesleyan College.

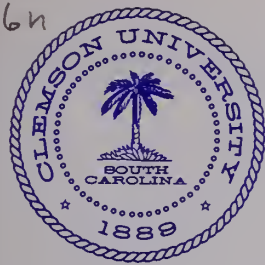
--E. M. Lander (Hist.) is co-author of the article "South Carolina, The Palmetto State," in the latest edition of The World Book Encyclopedia.

--S. M. Willis (IM) has been granted leave of absence beginning in January to teach for a quarter with the Ohio State Air Force Higher Education program.

--Sang O. Park (IM) has been appointed to a three-year term as a member of the Graduate Council. He will be replacing S. Willis (IM) who will be on leave.



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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 7

November 15, 1965

NOV 18 1965

CALENDAR: NOVEMBER 15-DECEMBER 2

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|----------------|--------|--|
| Nov. 15 | M | Gamma Sigma Delta lunch, noon, Food Industries Auditorium. Wright Bryan to speak. |
| Nov. 16 | T | Regular meeting of the Research Faculty Council, 4 p.m., Room 1, Physics. |
| Nov. 16 | T | Dr. William L. Root (Professor of Information Control and Engineering, University of Michigan) will lecture on "The Measurement and Use of Time-Varying Channels in Communication." Room 100, Earle Hall, 4 p.m. |
| Nov. 16 | T | Phi Kappa Phi, 6:00 p.m., Clemson House. |
| Nov. 16 | T | L. L. Heffner (USDA) will lecture on "Flame Proofing of Textiles." 11 a.m., Sirrine Auditorium. |
| Nov. 18-Dec. 9 | | Exhibit at Lee Gallery, Architecture: "Art of Two Cities." |
| Nov. 18 | Th | Peter M. Friedheim of West Berlin will lecture on the agricultural economy behind the Iron Curtain. 3 p.m., P&AS Auditorium. |
| Nov. 20 | S | Classes suspended. Clemson-USC game in Columbia. |
| Nov. 22 | M | Plant and Animal Science Building Auditorium, 7:30 p.m., meeting of all Clemson alumni who are members of the University staff with Clemson Alumni Association President William H. Grier, President-elect Henry C. Coleman and Clemson Foundation President Pat N. Calhoun. |
| Nov. 23 | T | Frank Cholewinski (Math, UNC) will lecture on "Weierstrass and Hankel Transforms." 4 p.m., 101 Physics. Coffee served prior to the lecture (3:30) |
| Nov. 23 | T | Henry Repokis (V-P, Deering-Milliken) will lecture on "The Chemical Engineer and the Management Function." 7 p.m., Room 100, Earle Hall. |
| Nov. 25-27 | Th,F,S | Thanksgiving holidays: Faculty and students. |
| Nov. 30 | T | Home Economists meet, 8 p.m., Fort Hill Savings Community Room. All graduate Home Economists invited. |
| Dec. 1 | W | AAUP Program honoring Graduate Students. 7:30 p.m., 101 Physics. |
| Dec. 1 | W | Basketball: Clemson v. UNC |
| Dec. 2 | Th | Swimming: Clemson v. UNC |
| Dec. 2 | Th | Christmas Concert by University Glee Club. 8:15 p.m., Tillman Hall Auditorium. |

TAPS TO PHOTO NEW FACULTY

The Taps staff wishes to photograph each new faculty member between the hours of 8-12 and 1-4, Wednesday, November 17, at the A&S Classroom Building Faculty Lounge.

"New faculty" are those who have joined Clemson since November, 1964 and those who returned this year from leaves of absence.

NASA POSTDOCTORAL AND SENIOR POSTDOCTORAL RESIDENT RESEARCH ASSOCIATESHIPS

These associateships are supported by the National Aeronautics and Space Administration and administered by the National Academy of Sciences--National Research Council. Applications are accepted at any time.

Research programs are supported in many areas including Energy Conversion, Environmental Physiology, Structures and Materials, Computer Science, Dynamics and Acoustics, Physics of High Temperature Gases, Biotechnology, Exobiology, and many other fields.

Work will be done at the Manned Spacecraft Center, Houston; Ames Research Center, Moffett Field, California; George C. Marshall Space Flight Center, Huntsville, Ala.; Goddard Space Flight Center, Greenbelt, Maryland; Institute for Space Studies, New York; and the Langley Research Center, Hampton, Va.

For further details contact the Graduate Office.

SENATE RESOLUTION IN MEMORY OF JAMES CLINTON COOK, JR.

At its October meeting the Academic Faculty Senate passed the following resolution in memory of the late Professor James Clinton Cook:

Dr. James Clinton Cook, Jr.

September 21, 1918 - September 28, 1965

Dr. James Clinton Cook, Jr., a Georgia native and a mechanical engineering graduate of Clemson University, joined the Mechanical Engineering department in 1948 and became its head in 1954. He served on active duty in the ETO as an army officer, rising from the rank of second lieutenant to major in World War II. He held the rank of Lieutenant Colonel in the Army Reserves.

Dr. Cook was a soft-spoken, gentle-mannered man of strong character, one who never compromised his principles. He was loved and respected by his students, his colleagues, and all who knew him. He was a teacher, a scholar, a Christian gentleman.

Be it resolved that the Faculty Senate of Clemson University record its sorrow at the passing of Dr. Cook and that it express to members of his family its sincerest sympathy and its gratitude for the many contributions he made to Clemson University and the Clemson community.

Be it further resolved that a copy of this resolution be transmitted to the family of Dr. Cook and that the resolution itself become a part of the minutes of the Academic Faculty and Faculty Senate.

LENA LAKE FORREST GRADUATE FELLOWSHIPS FOR 1966-67

The Business and Professional Women's Foundation announced the availability of Lena Lake Forrest graduate fellowship awards for 1966-67. Grants up to \$2,000 will be made to scholars who are citizens of the United States. Applicants must be within one academic year of their doctor's degree, must already hold a doctor's degree, or scholars of demonstrated ability who wish to do research. Study and research topics should pertain to economic, social, cultural, or political activities of women of the United States.

Requests for application forms should be sent to: Business and Professional Women's Foundation, 2012 Massachusetts Avenue, N. W., Washington, D. C. 20036. Completed forms must be received by February 1, 1966. Candidates will be notified by April 15, 1966.

H. N. COOLEDGE APPOINTED AN ALUMNI PROFESSOR

Effective November 1, Professor H. N. Cooledge was named Alumni Professor of Art History. This professorship, made possible by the Clemson Alumni Association through the Alumni Loyalty Fund, is in recognition of "outstanding classroom teaching excellence and uncompromising intellectual dedication."

Dr. Cooledge came to Clemson as an assistant professor in 1957. He was made Associate Professor in 1960 and professor in 1965. He has also taught at Georgia Tech and the University of Pennsylvania. He holds a B. S. in Chemistry from Harvard; a B.Arch. from Harvard; a M.A. from the University of Pennsylvania in Fine Arts; and a Ph.D. from the University of Pennsylvania in Art History. He is a member of a number of professional associations and has published several research papers.

At Clemson he has been a member of the Faculty Senate, has served for two terms on the University Honors Council, and has been a member of numerous faculty standing committees.

Dr. Cooledge is one of three Alumni professors, the others being Dr. John Miller (Physics) and Dr. Hugh Macaulay (economics).

EXPERIMENT STATION ADDS EDITOR

Wilbur H. McCartha of Columbia, S. C. has joined the Agricultural Experiment Station staff as an associate editor. He has the A.B. in journalism from the University of South Carolina and has had fifteen years of experience in press, radio and television work. Since 1956 he has been a press, radio and television specialist in the employ of the S. C. Department of Education.

Mr. McCartha is married to the former Julia Higdon of Franklin, North Carolina, and they have four children.

ARCHITECTS SELECTED FOR STUDENT BUILDINGS

The university trustees have approved selection of architects for the multi-purpose auditorium, which is to be constructed soon, and for the student health center. The J. E. Sirrine Company will design the former; Hallman and Weems the latter.

REVISED FACULTY SENATE ROSTER, NOVEMBER 15, 1965

<u>Agriculture</u>	<u>Dept.</u>	<u>Campus Address</u>	<u>Campus Telephone</u>	<u>Term Ends</u>
A. L. Shewfelt	FdSci.	216 P&AS	257	1966
M. A. Boone	Pltry Sci.	134 P&AS	222	1967
J. M. Stepp (President)	Ag Econ.	101 Long	338	1967
E. B. Eskew	Agron.	205 P&AS	297	1968
T. L. Senn	Hort.	162 P&AS	220, 360	1968
J. B. Whitney	Bot.	218 Long	329	1968

Architecture

E. A. Gunnin	---	109 Arch.	228	1967
Edward Pinckney	---	116 Arch.	228	1968
Richard Reep	---	110 Arch.	228	1968

Arts and Sciences

J. G. Dinwiddie	Chem.	303 Brackett	235	1966
J. E. Miller	Phys.	103 Physics	253	1966
J. R. Sullivan	Math.	206 Engl-Math.	387	1966
C. A. Reed	Phys	102 Physics	253	1966
B. R. Skelton	Econ.	220 Hardin	296	1967
L. L. Henry	Engl.	325 Engl-Math	383, 384	1967
C. Q. Brown	Geol.	102 Geol.	291	1967
H. M. Felder (Secretary)	Engl.	204 Engl-Math.	383, 384	1967
A. T. Hind	Math.	109 Engl-Math.	387	1968
Miss Harriet Holman	Engl.	225 Engl-Math.	383, 384	1968
H. G. Spencer	Chem.	106 Brackett	239	1968
M. S. Steadman	Engl.	302 Engl-Math.	383, 384	1968
J. P. Winter	Engl.	0-201 Engl-Math.	383, 384	1968
H. E. Vogel	Phys.	105 Physics	253	1968

Education

M. A. Packer	Sec. Educ.	21 Tillman	414	1966
W. C. Bowen	Ag. Educ.	140 P&AS	294	1967
A. F. Newton	Ind. Educ.	110 IE	234	1968

Engineering

W. L. Ball	EE	103 Riggs	227	1966
A. D. Lewis (Vice-Pres.)	ME	29 Riggs	229	1966
H. G. Lefort	CerE	Olin	304	1967
J. T. Long	EE	213 Riggs	227	1967
J. D. Antrim	CE	212 CE	246	1968
R. C. Marshman	ChE	203 Earle	357	1968
R. A. Banister	EG	315 Riggs	225	1968

IM-TS

T. A. Campbell	Tex.	305 Sirrine	350	1966
J. J. Porter	Tex.	11 Sirrine	335	1967
Joel Richardson	IM	310 Sirrine	350	1968
J. M. Wannamaker	IM	312 Sirrine	350	1968

NOTES ON SOME RECENT LITERATURE

--The October Harper's has an interesting piece by David Dempsy on foundation grants for writers. The October Fortune has an article by John Gardner discussing Carnegie Foundation procedures for making grants (thesis: men are more important than ideas).

--An article in Harper's (Oct) on "Colorado Football's Galloping Disaster" gives insight into the coaching problems out West. Esquire (Sept.) has a series of articles and pieces (humorous and otherwise) on the Berkeley situation.

--The September issue of Soviet Life has two rather dull but somewhat informative stories on universities in the Soviet Union.

--A fairly new book (Theology and The University, edited by John Coulson: Helicon press, Baltimore) is a series of essays on religion in the university. Roman Catholic Viewpoint.

--Ruth Landes has a book, Culture and American Education (Wiley: N.Y.) which attempts an evaluation of the cultural content of curricula.

--Merle Curti, the historian, has written a fine historic treatment of special gifts and donors as a factor in establishing American Universities. (Philanthropy in the Shaping of Higher Education. Rutgers University Press).

--The Hundredth Anniversary Issue of the Nation contains a piece titled IS FREEDOM ACADEMIC? It traces the role of academic freedom over the past 100 years and concludes that it is still not fully accepted as a principle in the public mind.

--The July-August issue of American Education contains source material dealing with federal programs for higher education. GRANT PROGRAMS FOR FISCAL 1966 includes a four-page chart listing programs administered by the Office of Education and the administrative office responsible for them.

--Logan Wilson has edited a series of essays (34) written by Educational leaders in the United States who are discussing mainly problems of institutional control. The Book title is Emerging Patterns in American Higher Education (Amer. Cl. on Educ: Washington).

--articles of unusual interest in The Educational Record (Summer, 1965) include "State Planning for Higher Education" by John D. Millett; "Vertical Extension of Academic Programs in Institutions of Higher Education" by Paymond E. Schultz and W. Hugh Stickler; "The Impact of Higher Education on Student Attitudes, Values, and Critical Thinking Abilities," by Paul L. Dressel and Irvin J. Lehmann; "A Look at the New College Teacher," by Ray C. Maul; "A Look at the Supply of College Teachers," by Allan M. Cartter; and "Ethical Problems of Scientists", by Lawrence Cranberg.

--Mark Ingraham and F. P. King are authors of The Outer Fringe (Univ. of Wisc., 1965), a study of faculty benefits other than annuities and insurance.

REPORT OF GRADUATE COUNCIL MEETING

The Graduate Council met in the Graduate Dean's office at 4:05 p.m. on Friday, October 8, 1965.

1. Dr. Byrd (Stat.) presented a preliminary report on the use of duplicating processes for theses. There was some discussion and the Council decided to postpone action until the next meeting.

2. Dean Hurst announced that the Educational Council had approved the Ph.D. program in Electrical Engineering.

3. Dean Hurst announced that permission had been asked

- a. to list Math 310 - Programming the Digital Computer - 3 cr. (2 & 3) for graduate credit under special conditions only.
- b. to discontinue History 520 - Colonial American Civilization, 3 cr. (3 & 0) and History 522 - U. S. 1850 - 1900, 3 cr. (3 & 0).

These two requests were approved unanimously.

4. Dean Hurst announced that he and the Registrar had reached the following agreement on draft deferment:

A graduate student will be certified to the Local Draft Board as a full time student seeking a degree if

(1) he is seeking a degree at Clemson and

(2) he falls into one of the three following categories

--he is a graduate assistant

--he is a fellow

--he is neither a graduate assistant nor a fellow but is taking a minimum of 9 credit hours per regular semester.

The agreement was agreed to by the Council.

5. Dean Hurst announced that the Language Faculty recommended that the candidates for advanced degrees who have taken twelve hours undergraduate credit in French or German at an approved college with an average of B and with no grade lower than C be excused from the usual reading examination in that language. This was approved.

6. Dean Hurst appointed the following ad hoc committee for the use of Graduate Record Language Examination for German, French, and Russian:

Dr. R. J. Calhoun, Chairman
Dr. R. F. Borgman
Dr. J. P. Uldrick

The Council adjourned at 4:26 p.m.

RETIREMENTS AND PROMOTIONS IN EXTENSION

Mrs. Sallie P. Musser and Mr. T. W. Morgan will retire in November and December, 1965, respectively.

Mrs. Musser, leader of the State Home Demonstration Service, joined the Clemson Extension Division in 1929; Mr. Morgan, Associate Director of Extension, joined the service in 1924. Both have given excellent leadership and each is nationally known in extension circles. They will be honored by their associates at a party on December 4.

Mrs. Musser's position as leader of the Home demonstration service will be filled by Dr. Ruby Craven who has been Mrs. Musser's associate leader since 1960. She has been with the Extension Service since 1941. She holds a B.S. degree from Winthrop, a M.S. degree from the University of Tennessee, and a Ph.D. from Wisconsin.

Mr. Morgan's position as Associate Director of the Cooperative Extension Service has been redesigned. Dr. W. T. O'Dell has been assigned as Associate Director for programs and has been at work with Mr. Morgan for the past two months. Mr. J. B. Copeland has been assigned as Associate Director for administrative activities and for special assignments. Mr. Copeland has a B.S. degree from the University of Georgia, a M.S. degree from Clemson, and has completed residence for his Ph.D. at the University of Wisconsin.

R. C. Hubbard, Jr., will replace Mr. Copeland as head of the Department of Agricultural Communications. A graduate of Clemson (B.S. and M.S.), Mr. Hubbard has been with the Extension Service since 1942.

UNIVERSITY STAFF ALUMNI MEETING

The programs of the Clemson Alumni Association and the Alumni Loyalty Fund will be the subject of discussion when the 250 alumni members of the University staff meet with the presidents of the Association and the Clemson Foundation Monday evening at 7:30. The meeting will be in the Plant and Animal Science Building Auditorium and will be attended by Alumni President William H. Grier of Rock Hill, President-elect Henry C. Coleman of Daytona Beach and Foundation President Pat N. Calhoun of Charlotte. All campus alumni are urged to attend.

AEC RESEARCH OPENINGS

Each summer a limited number of science faculty are offered research opportunities at the AEC labs in Oak Ridge, Tennessee, and at Aiken, S. C. Research possibilities are varied and most scientific disciplines are represented. Application forms and information are available from Dean H. L. Hunter, Arts and Sciences, phone 231.

Applications should be filed before December 15.

SENATE SCHEDULES FLU SHOTS

J. G. Dinwiddie (chem), chairman of the Senate Welfare Committee has announced that the University Health Service is scheduling influenza immunization inoculations for the faculty and staff of Clemson University and their families on Thursday, November 18th between the hours of 4 p.m. and 6 p.m. in Room 1 of the Physics Building. There will be a charge of \$1.00 per person.

It is recommended that those who were not inoculated on October 14th participate, and it is recommended that those who did not receive an inoculation last year get a second inoculation this year.

LIBRARY TO EXTEND HOURS

As the result of a student Senate request, the University will extend its hours of operation, beginning Monday, November 15. The new library schedule is:

Monday-Friday	7:45 a.m. - 11:00 p.m.
Saturday	7:45 a.m. - 6:00 p.m.
Sunday	2:00 p.m. - 11:00 p.m.

GIFTS AND GRANTS

Items noted below have been announced since the last issue of the Newsletter:

--from NSF to J. D. Antrim (CE), \$15,000 for research on "The Mechanism of Fatigue in Plain Concrete."

--from Research Corporation of America to J.C. Fanning (Chem), \$3,500 for research on "The Absorption of Gases by Solid Transition Metal Compounds."

--from Dow Chemical to Chemical Engineering, \$1,000 for student fellowship purposes.

--from Bethlehem Steel, U. S. Steel, AISC, Owen Steel, Southern Engineering, and B. L. Montague Co. to Civil Engineering, thirteen steel beams and 400 feet of prestressed cable for instructional purposes.

--from the John D. Hollingsworth Company to textiles, carding machinery and accessories for instructional purposes.

--from Gerber products to horticulture, \$3,000 for research on fruits.

--from Carolina Forest Products Association to Forestry, \$500 for logging cost studies.

--from American Potash Institute to Dairy Science, \$1,000.

PERSONAL MENTION

--Mary Alice McNeill (Ext.) has been granted leave of absence to do graduate study at Winthrop College.

--C. P. Butler (Agr. USDA) has accepted a temporary assignment with the International Agricultural Development Service as a consultant economist in Nicaragua. He will be stationed in Managua for approximately three months where he will be working with USDA/PASA in evaluating present and potential agricultural productive capacity. He left for the assignment on November 2.

--J. E. Miller (Phys.) served as a member of a NSF fellowship evaluation panel which met in Washington, November 10-14.

--G. F. Meenaghan (ChE) co-authored and presented a paper at the 38th Annual Conference of the Water Pollution Control Federation in Atlantic City.

--The Business Forum column of THE STATE in its Sunday issue, October 31, 1965 featured an article "Operations Research: New Tool for Management" by J. A. Chisman (IE).

--H. H. Macaulay (Econ.) served as a member of a Southern Association of Colleges' evaluation team to visit Trinity University, Nov. 7-11. Dr. Macaulay also presented a paper at the meeting of the Southern Economics Association in Miami Beach, November 12.

--L. E. Talbert (Agric. Econ.) attended a meeting of the Southern Land Economics Research Committee in Knoxville, Tennessee on October 11-13. He was appointed Chairman of the Subcommittee on Economic Growth.

--J. F. Miles (Agric. Econ.) presented a paper entitled "Of Science and Economics" at the annual meeting of the Southern Economics Association, Miami Beach, November 12.

--W. J. Lanham (Agric. Econ.) chaired the "Foreign Markets" session at the 1965 National Marketing Service Workshop, Des Moines, Iowa, November 9-11.

--The University Patent Committee has forwarded disclosures of inventions by three faculty members to the Patent Research Corporation for searches. They are E. P. Stillwell, Jr. and M. J. Skove (Physics) for a laboratory device; and Jack Mitchell (Food Sci and BioChem.) for a food process.

--H. G. Spencer (Chem.) has accepted an invitation to be guest lecturer in June at the Polymer Conference Series sponsored by the Wayne State University College of Engineering.

--J. M. Wannamaker (IM) has been elected to a seat on the Faculty Senate, replacing S. M. Willis (IM) who is to go on leave after Christmas.

--Virginia S. Hardie (Counseling, Student Affairs) was the speaker for the All-Student and Faculty Student Government Convocation at Anderson College on November 4.

--Wallace D. Trevillian (IM-TS) was a panelist at the meeting of the Division of Business Administration in conjunction with the National Association of State Universities and Land Grant Colleges in Minneapolis, November 16. Dean Trevillian also served as chairman of a Seminar at the Southern Economic Association meeting in Miami, November 12.

PERSONAL MENTION, CONTINUED

--Six civil engineering students from Central University and Catholic University of Guayaquil in Ecuador were on the campus from October 22 through October 29. During this visit they were guests of the Civil Engineering Department. These students along with two interpreters were on a month long tour of areas of the United States. This tour was a part of the Education Travel Program of the U.S. Department of State.

--J. H. Moore (CE) represented Clemson University at the Annual meeting of the Carolinas Branch of the Associated General Contractors of America which was held at the Greenbrier Hotel in White Sulphur Springs, West Virginia, from October 31 through November 3. Dr. Moore is a member of the ASEE-AGC Committee on Construction Education.

--J. M. Ford (CE) served on a panel at the meeting of the South Carolina Water and Pollution Control Association in Charleston, November 12.

--L. G. Rich (Engr.) was elected Vice-Chairman of the American Sanitary Engineering Intersociety Board at its annual meeting in Atlantic City on October 14.

--H. Vernon Poe (EE) presented a paper at the North Carolina Section of IEEE at Greensboro on November 9.

--Harold Landrith (Educ.) has been elected Chairman of a newly-organized group of deans and department heads in teacher training in the S. C. state supported colleges and universities.

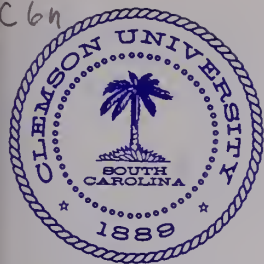
--J. T. Lazar, Jr. and J. J. Janzen (Dairy Sci.) attended the annual meeting of the Milk Industry Foundation in Montreal, Canada, October 17-20. Dr. Lazar presented a paper.

--John Marvin (Tex.) presented a paper to the Southern Textile Association in Winston-Salem, October 28. His paper was "A Survey of High Speed Carding Practices."

--President Edwards attended the Board meeting of the United Student Aid Funds, Inc., in New York, November 8. He was re-elected a vice-president of the corporation and a member of the Board.

--Members of the Chemistry faculty and graduate student group who are scheduled to read papers at the Memphis regional meeting of the American Chemical Society are N. P. Marullo (two papers), E. Wagener, R. A. Lloyd, J. G. Dinwiddie, L. A. Wilkin, F. J. Lindstrom, J. B. Davis, J. C. Fanning, H. G. Spencer, T. M. Ellison, J. W. Huffman, C. B. S. Rao, and T. Kamiya.

--Harlan McClure (Arch) spoke on October 27 at the Gibbs Gallery of Art, Charleston; and on November 15 at the Chester, S. C. Historical Society and Chamber of Commerce. Topics were "History and Future Prospect for Modern Architecture"; and "Planning, Civic Design, and Historic Preservation."



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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 8

December 1, 1965

DEC 2 1965

CALENDAR: DECEMBER 2-DECEMBER 18

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| Dec. 1 | W | The Newcomers Bridge Group will meet at the Clemson House at 8 p.m. Mrs. Peter MacLachlan will be the hostess. |
| Dec. 1 | W | Basketball: Clemson v. UNC. |
| Dec. 2 | Th | Swimming: Clemson v. UNC. |
| Dec. 2 | Th | Christmas Concert by University Glee Club. 8:15 p.m., Tillman Hall Auditorium. |
| Dec. 2-9 | | Exhibit at Lee Gallery, Architecture. "Art of Two Cities." Painting, ceramics and other art forms from the Kansas City Art Institute and School of Design and the Minneapolis School of Art. |
| Dec. 3 | F | Dr. Marshall R. Colberg (Prof. of Economics and Chairman of the Dept. of Economics, Fla. State University) is being presented by faculties of Economics and IM Depts. for two seminars. "Minimum Wages and Equal Pay," 3 p.m., Ceramic Engr. Auditorium. "Human Capital: A New Idea in Economics," 8 p.m., Chemistry Auditorium. |
| Dec. 7 | T | Regular meeting: Academic Faculty Senate. 4:15 p.m., Room 1, Physics. |
| Dec. 7 | T | Sage Club. 6:30 p.m., Clemson House. Dinner meeting. M. C. Palmer (Computer Center) will speak on "Tigers and Computers." |
| Dec. 7 | T | Graduate Wives, 8 p.m., Y.M.C.A. Party Room. |
| Dec. 8 | W | Newcomers Club--Gourmet Group, 8 p.m. will meet at 202 Sky-view Drive at the home of Mrs. Rudolph Prins. |
| Dec. 17 | F | Regular meeting of the Academic Faculty. 4 p.m., Chemistry Auditorium. |
| Dec. 18 | S | Mid-year graduation exercises. General Hugh Harris (President, The Citadel) will speak. 3 p.m., University Auditorium. |

CLEMSON PHOTO AVAILABLE

An 8" x 10" colored aerial photograph of the University which encompasses the surrounding lake and Blue Ridge Mountains may be purchased at the University Book Store. Price \$2.95.

Where the states get their money

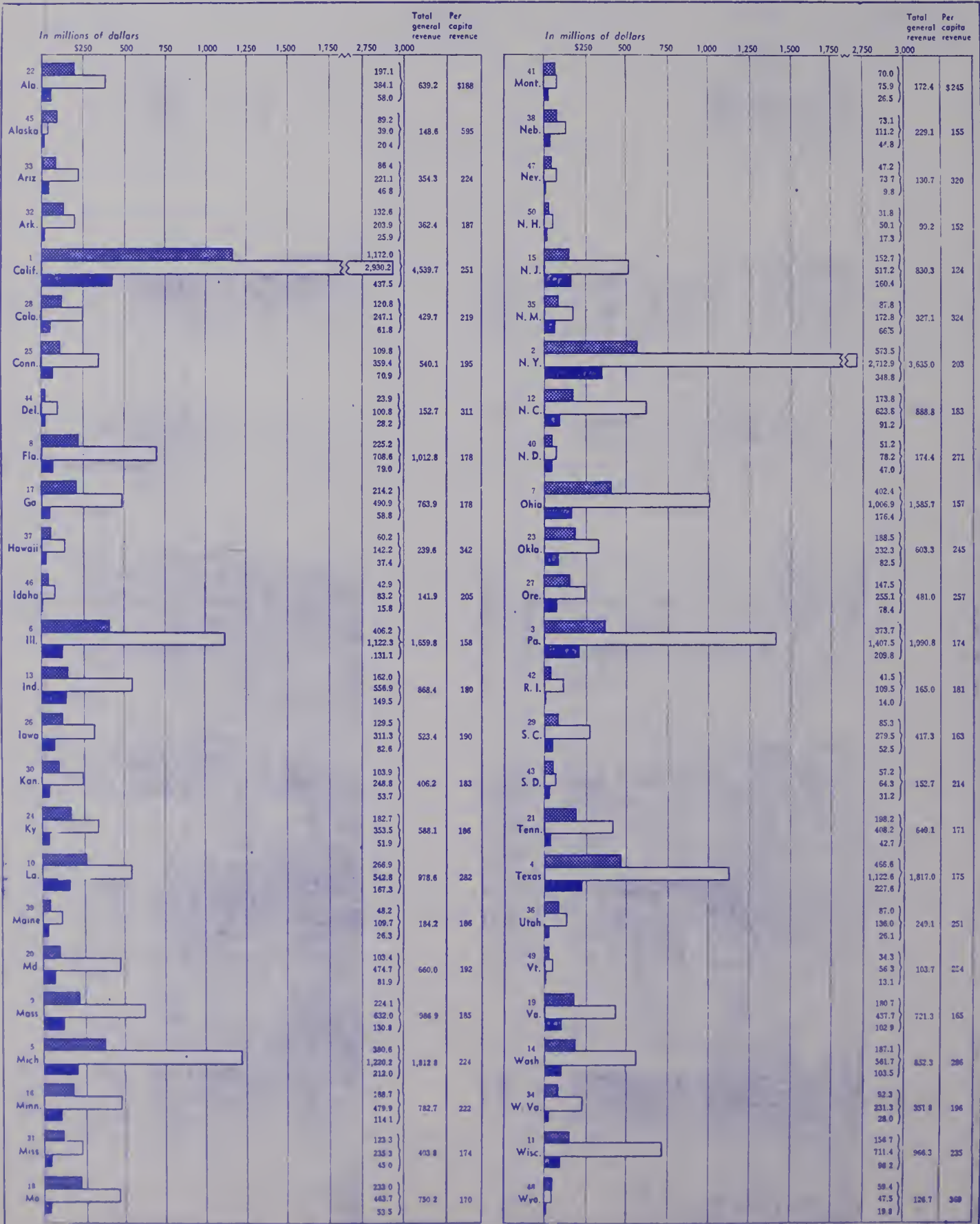
The states are digging deeper into Uncle Sam's pocket: From 1956 to 1964 the take went up 200 percent, while state taxes rose

only 82 percent. Chart shows where states got money in 1964. (Number above state is rank in income.) Tomorrow: state spending.

From U.S.

From taxes

Other (local govt., charges, revenue, etc.)



How the states spend their money

Schools are gobbling up more and more revenue: From 1956 to 1964 the bite went up 136 percent; roads and health-welfare only 75

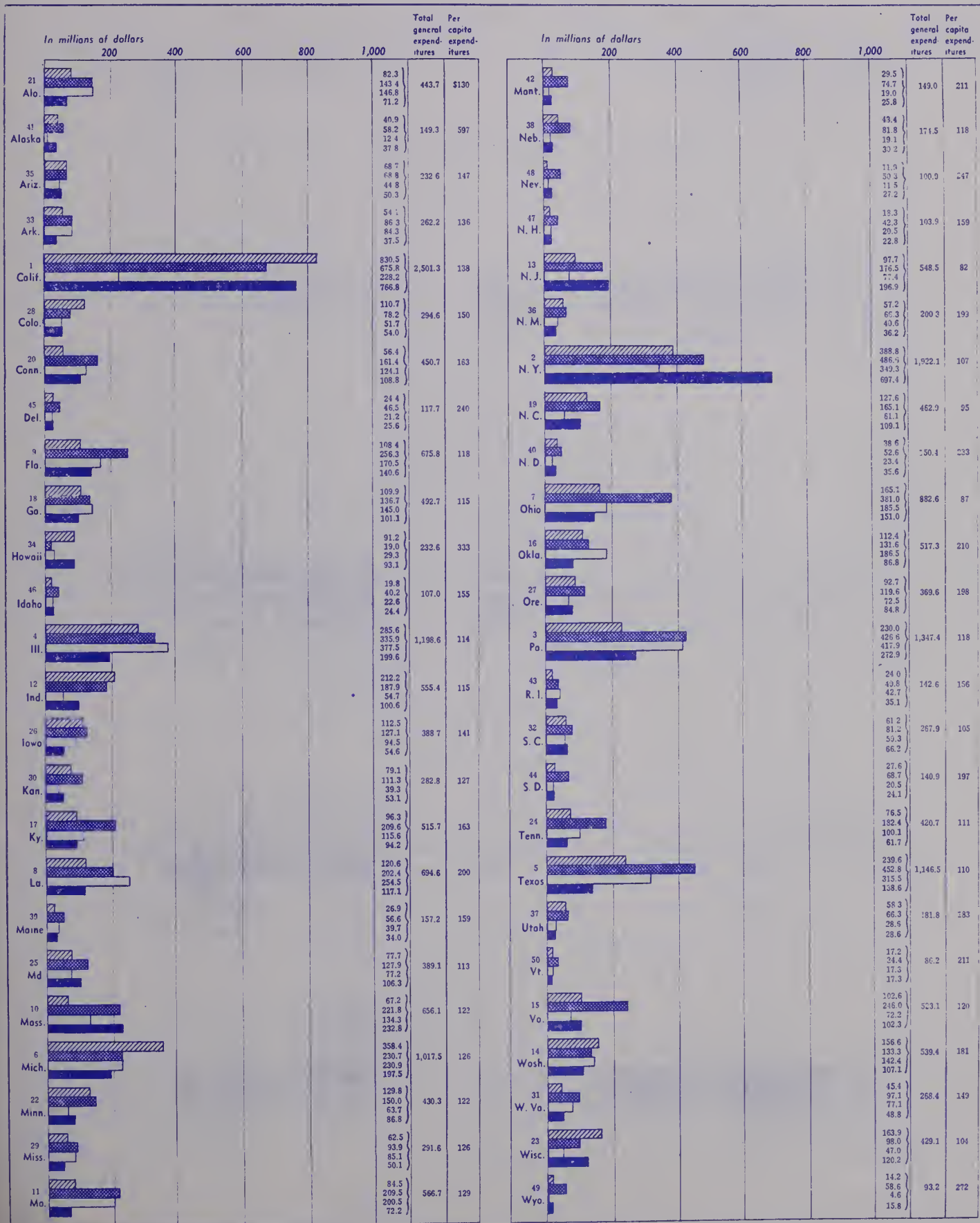
percent and 78 percent respectively. Chart shows where funds went in 1964. (Number above each state is expenditure rank.)

Education

Highways

Health and welfare

Other (fire, police, sanitation, parks, debt interest, etc.)



SENATE NOTICE TO ACADEMIC FACULTY

TO: Members of the Academic Faculty of Clemson University

SUBJECT: Proposed amendment of the By-Laws of the Academic Faculty Senate.

Members of the Faculty Senate are elected for a term of three years, and when the Senate was established in 1956 it was intended that approximately one-third of the membership would be elected each year. However, there is a recently-discerned flaw in the By-Laws which has already resulted in a substantial lack of balance in the expiration dates of membership in the Senate, and which if not corrected will get worse and worse.

Of the 37 current members, the terms of 9 will expire in 1966, 11 in 1967, and 17 in 1968. Since increases in Senate membership due to the numerical growth of the Academic Faculty occur only in years divisible by the number three (Faculty Manual, p. 54), and since new members are ordinarily elected for three-year terms, the additional members are added to the group that is already most numerous. Under the present system, and assuming that the membership growth trend of the past continues into the future, the new members elected in 1968 will be as numerous as the other two groups combined, and the new members elected in 1971 (and at three-year intervals thereafter) will constitute an outright majority of the total membership. This would weaken the stability and continuity of the Senate which was envisioned in the original plan of organization.

While there appears to be no simple way to correct completely the imbalance that has already developed, it can be alleviated somewhat and prevented from becoming any worse by the simple expedient of putting membership reallocation on a two-year cycle while retaining three-year terms of service in the Senate.

Therefore, having followed the procedures prescribed in Article IV of the By-Laws of the Faculty Senate (Faculty Manual, p. 57), the Senate passed the following resolution on November 2, 1965:

Resolved: That Article II, Section I, Paragraph 2 of the By-Laws of the Clemson University Faculty Senate be amended as follows: In the third sentence delete the words, "calendar years divisible by the number three," and substitute for them the words, "odd-numbered calendar years."

On behalf of the Faculty Senate I herewith submit this resolution to the members of the Academic Faculty with the recommendation that it be approved at the next meeting of that body.


J. M. Stepp
President of Faculty Senate

JMS:je

November 19, 1965

MINUTES OF THE FACULTY SENATE

The Faculty Senate met on November 2 at 4:15 p.m. in Room I of the Physics Building, President J. M. Stepp presiding. After the minutes of the October meeting had been approved, President Stepp made the following announcements:

- (1) Dean Williams' request for a study of the University's procedure for conducting graduating exercises had been referred to the Admissions and Scholarship Committee;
- (2) the Council of the Alumni Association had requested assistance in planning a student award to be given on Honors Day;
- (3) a member of the Student Affairs Committee of the Student Senate had asked for an opinion on the use of student rating sheets on faculty members.

The last two items were referred to the Admissions and Scholarship Committee.

A resolution was passed to amend Article II, Section I of the By-Laws of the Faculty Senate by substituting the phrase "odd-numbered calendar years" for "calendar years divisible by three." If approved by the Academic Faculty, the amendment will eventually alleviate the present unbalance in the expiration of senators' terms.

Dr. A. T. Hind (Admissions and Scholarship) presented the recommendations of a subcommittee which had studied the problem of the readmitted deficient student. Although present practices in dealing with this kind of student were, in general, approved, three proposals were made:

- (1) if a student within 50 hours of graduation has a grade point ratio lower than that required for graduation, his photostatic check-up sheet should indicate the grade point ratio he would have to maintain to graduate;
- (2) the phrase "permanently ineligible for readmission" should be clarified;
- (3) requirements for continuing enrollment should be increased to make them compatible with the 1968 graduating requirement of 2.00.

A lengthy discussion was concluded with the passage of a motion to defer action on the recommendations.

Dr. H. G. Lefort, reporting for the Policy Committee, recommended that the administration initiate a policy of "encouraging all legitimate means to present the concept of Clemson as a university...." Dr. Harriet Holman supported the recommendation by pointing out that many other institutions encourage or promote the sale of books written by their faculties, commemorative porcelain, etchings, and such. As a result, money has been provided for scholarships and worthy campus projects, and the public images of these institutions have been enhanced. After further discussion a motion was passed to defer action on the recommendation.

Professor H. M. Felder reported evidence of a substantial community interest in the possibility of organizing a funeral society. An exploratory meeting on October 27 was attended by representatives of the Baptist, Methodist, and Episcopalian churches; the Unitarian Fellowship; the Rotary, Kiwanis, and Lions Clubs; and the AAUW and AAUP. A second meeting is set for December 1.

The meeting was adjourned at 5:30 p.m.

Respectfully submitted,

H. M. Felder, Jr.

H. M. Felder, Jr.
Secretary

AEC RESEARCH OPENINGS: REPEAT ANNOUNCEMENT

Each summer a limited number of science faculty are offered research opportunities at the AEC labs in Oak Ridge, Tennessee, and at Aiken, S. C. Research possibilities are varied and most scientific disciplines are represented. Application forms and information are available from Dean H. L. Hunter, Arts and Sciences, phone 231.

Applications should be filed before December 15.

GRANTS AND GIFTS

The following gifts and grants have been announced since the last issue of The Newsletter was printed:

--From Health, Education and Welfare to the Graduate School, 18 three-year fellowships to be awarded in Agric. Econ., Agronomy, Animal Physiology, Chemistry, Civil Engineering, Entomology, Nutrition, and Physics. These fellowships pay up to \$2,000 per year to each student and \$2,500 per year to the University. The total value is about \$243,000.

--From the Office of Economic Opportunity to V. A. Boyd (Agric. Econ. and Rural Sociol.), \$12,000 for a synthesis of research done over a five-year period under S-44 (Southern States Research Project in Rural Sociology), "Factors in the Adjustment of Families and Individuals to Changing Conditions in Low-Income Rural Areas in the South."

--From HEW (Division of Water Supply and Pollution Control) to L. G. Rich (Engr.), \$396,975 to be funded during the period 7/1/67-6/30/72 for education efforts and graduate student support in water supply and pollution control. Of the total, \$233,970 is for program costs while \$163,000 is for student stipends.

--From a source wishing to remain anonymous, a chaired professorship in Chemistry, valued at \$3,000 annually. Detailed announcement will be made at a later date.

--From the Office of Education, HEW, to M. A. Owings (Engl.), \$31,841 to conduct a summer institute for teachers of English.

--From Olin Mathieson Chemical Company to Botany, \$500 for research in the control of cotton seedling diseases.

--From Public Health (Water Supply and Pollution Control) to W. B. Barlage (Chem.), \$29,602 for a two-year research project in pollution control.

--From HEW (Title II, Higher Education Facilities Grant) to Engineering, \$198,835 to assist in the construction of an engineering building.

PERSONAL MENTION

--C. E. Littlejohn (ChE) served during November 15-16 as a member of a NSF panel meeting in Washington to evaluate proposals for traineeships.

--Harlan McClure (Arch) is chairman of the National Architectural Accrediting Board team visiting Louisiana State University, December 1-3.

--Lewis Hill (econ) presented a paper at the November 11-13 meeting in Miami of the Southern Economic Association.

--E. N. Williams (Ext.) will resign from his position as Assistant in Agricultural Extension, effective December 31. Mr. Williams has had 37 years of employment with the Clemson Cooperative Extension Service.

--George Dunkelberg (Ag engr.) will resign his position with the Experiment Station, effective December 31. He will join the staff of the University of Nebraska to be head of agricultural engineering work sponsored by Nebraska at Ataturk University in Turkey. Mrs. Dunkelberg, an instructor in English, will also resign her teaching position.

--W. M. Dowler and D. H. Petersen (USDA-Bot) presented papers at the Cumberland-Shenandoah Fruit Workers Conference held at Frederick, Maryland, November 18-19.

--E. M. Lander (hist.) has written "The 'Critical Period,' the Constitution, and the New Nation," in Writing Southern History: Essays in Historiography in Honor of Fletcher M. Green, published by the Louisiana State University Press.

--T. C. Hardin (M.E.) represented Clemson University at the Annual meeting of the American Society of Mechanical Engineers in Chicago, November 8-11.

--L. C. Wilcox (M.E.) attended a conference on Engineering in Medicine and Biology in Philadelphia, November 9-12. The conference was jointly sponsored by the IEEE, ISA, and ASME.

--J. A. Chisman (IE) participated in the November 3-6 Houston, Texas Conference of the Operations Research Society of America.

--Robert H. Garrison (Seed Cert.) has been named one of the judges to select the "Outstanding Young Farmer in South Carolina," for 1966.

--J. T. Long, J. C. Martin, and J. N. Thurston (EE) attended the State IEEE Convention in Charleston on November 12. Dr. Martin was elected Treasurer for 1966, and Dr. Long presented awards to officers from previous years.

--F. C. Alley (Ch.E.) attended the annual research conference of the Technical Association of the Pulp and Paper Industry in Tarrytown, N. Y. in October.

--Albert G. Law (EM) presented a paper entitled "Ground Water Pollution From the Hydrologic Viewpoint" at the Annual meeting of the S. C. Water Pollution and Control Board held in Charleston, S. C. on November 11-12.

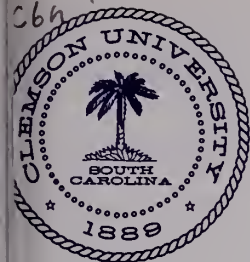
--Walter E. Castro (EM) presented a paper entitled "Experimental Study of Transition in Pipe Flow" at the Annual Meeting of the American Physical Society (Division of Fluid Dynamics) held at Case Institute of Technology in Cleveland, November 22-23.

--Joel L. Richardson and C. Victor Wray (I.M.) participated in the Industrial Management Society 1965 Clinic in Chicago, November 17-19.



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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 9

December 15, 1965

DEC 17 1965

CALENDAR: DECEMBER 15-JANUARY 20

Dec. 15-Jan. 6		Exhibit at Lee Gallery, School of Architecture. "Student Design Work."
Dec. 17	F	Regular meeting of the Academic Faculty. 4 p.m., Chemistry Auditorium.
Dec. 18	S	Mid-year graduation exercises. General Hugh Harris (President, The Citadel) will speak. 3 p.m., University Auditorium.
Jan. 4	T	Sage Club. 6:30 p.m., Clemson House. Dinner meeting.
Jan. 10-Feb. 1		Exhibit at Lee Gallery, School of Architecture. "Photographs of Robert Smeltzer."
Jan. 11	T	Basketball: Clemson v. Duke
Jan. 12	W	Newcomers Gourmet Interest Group will meet with Mrs. William Mickelberry at 215 Holly. The program will be entitled "Food Facts and Fallacies".
Jan. 12-13	W, Th	Second semester registration.
Jan. 13	Th	Faculty Senate meeting. 4:15, Room 1, Physics.
Jan. 14-15	F,S	Contemporary Film Series, "Ditte, Child of Man" Civil Engr. Auditorium.
Jan. 15	S	Basketball: Clemson v. U. of So. Carolina

NEWSLETTER PUBLICATION NOTE

The Newsletter will not be printed during the Christmas-New Year holidays. The next issue will appear on January 15.

CURRICULA CHANGES

Appropriate faculty committees and the Educational Council have approved the changes in curricula noted below:

I. The Building Construction curricula will be revised as follows--

First Year

Change Arch. Const. 141/142 Elem of Buildings 1/11 5(2,9)
to Arch. Const. 141/142 Elem of Bldg. 1/11 4(2,6)

Second Year

Change Arch. Const. 241/242 Elem of Building 111/1V 6(3,9)
to Arch. Const. 241/242 Elem of Building 111/1V 4(2,6)

Third Year

Add Arch. Const. 341/342 Building Const. 4(2,6)
Move Econ 201/202 Prin. of Economics from 3rd year to 2nd year 3(3,0)
Change EM 302 Engineering Mechanics 3(3,0)
to EM 201 Engineering Mechanics 3(3,0)

Fourth Year (first semester)

Drop Arch. 415 Structural Methods 2(2,0)
Math 303 Statistics 3(3,0)
Move Arch. 475 Mech. Plant 2(2,0)
IM 301 Cost Accounting 3(3,0)
from 4th to 5th year
Change Econ 312 Commercial Law 3(3,0)
to Econ 322 Legal Env. of Business 3(3,0)
and move from 5th to 4th year
Change IE 303 Job Evaluation 3(3,0)
to IE 410 Engineering & Organization 3(3,0)
and move from 5th to 4th year
Add Elective 3 credits

Fourth Year (second semester)

Move Arch. 476 Mech. Plant 2(2,0)
CE 331 Soil Mechanics 3(2,3)
Soc. 405 Industrial Sociology 3(3,0)
from 4th to 5th year
Move IE 304 Methods and Standards 3(2,3) from 5th to 4th year
Add Elective 6 credits

Fifth Year (first semester)

Changes as shown in 4th year
Delete Elective 3 credits

Fifth Year (second semester)

Changes as shown in 4th year, and drop Econ. 313 Commercial Law 3(3,0)

II. Econ 314 (intermediate economic theory) will be added as a required course in the science and business options of the agric. econ. curriculum.

III. Hort 506 will be changed from 3 cr (2,3) to 3 cr (3,0).

IV. RS 459 will be changed in number to RS 359.

V. Two new elective courses will be added in engineering: (1) EE 430, Models of Transistors and Diodes, 2 cr. (2,0); and IE 417, Systems Simulation, 3 cr (3,0).

VI. Fourteen new graduate courses will be added, as follows--

1. ME 560, Systems Analysis 1, 3 cr. (3,0).
2. Phys 511, Methods of Theoretical Physics I, 3 cr. (3,0).
3. Phys 512, Methods of Theoretical Physics II, 3 cr (3,0).
4. Econ 600, Seminar: Economic Theory, 3 cr (3,0).
5. WRE 511, Climatology, 3 cr (3,0).
6. WRE 512, Meteorology, 3 cr (3,0).
7. Ex St 503, Regression and Least Squares Analysis, 3 cr (3,0). Replaces Ex St 502.
8. Ex St 504, Sampling, 3 cr (3,0). Replaces Ex St 512.
9. Ex St 505, Design and Analysis of Experiments, 3 cr (3,0).
10. Ag Ec 508, Applied Quantification in Ag Ec., 3 cr (3,0). Replaces Ag Ec 610.
11. Ag Ec 551, Seminar: Research Methods, 1 cr (1,0). Replaces Ag Ec 611.
12. Ag Ec 604, Seminar: Resource Economics, 3 cr. (3,0). Replaces Ag Ec 604.
13. Ag Ec 606, Seminar: Area Economic Development. 3 cr (3,0). Replaces Ag Ec 615.
14. Ag Ec 607, Economics of Consumption Demand, and Market Structure, 3 cr. (3,0). Replaces Ag Ec 616 and Ag Ec 617.

VII. Two new undergraduate courses will be added, as follows--

1. Bot 458, Plant Parasitic Nematodes, 3 cr (2,3).
2. Educ 498, Teaching Secondary School Reading, 3 cr. (3,0). A course now required by the state for certification.

VIII. The Food Science curriculum (science option) will be changed as follows--

1. delete chemistry 331, 339, 423, and 425.
2. add chemistry 310.
3. add four hours of elective work.

IX. Curricula in Arts and Sciences will be changed as follows--

A. New courses, or name and/or number changes.

1. Chem. 313 Quantitative Analysis 3 cr (3,0) Replaces Chem 312.
- Chem. 315 Quantitative Analysis 2 cr (0,6) Replaces Chem 316.
- Chem. 317 Quantitative Analysis 1 cr (0,3) Replaces Chem 318.

2. Redesignate Math courses dealing with computer training as "Computer Science":

- Computer Science 310, Intro. to Algorithmic Processes 3 cr (2,3).
Replace Math 310.
- Computer Science 311, Computer Organization & Programming 3 cr (2,3)
New course
- Computer Science 312, Numerical Algorithms 3 cr (3,0) New Course
- Computer Science 409, Numerical Calculus 3 cr. (3,0) Replace Math 409.
- Computer Science 427, Computer Principles 3 cr (3,0) Replace Math 427.
- Computer Science 428, Algorithmic Languages & Compilers 3 cr (3,0)
Replace Math 428.

3. Geol. 204 - Historical Geol. 3 cr (3,0). Change of number of Geol. 304.
Geol. 205 - Historical Geol. Lab. 1 cr (0,3). Change of number of Geol. 305.
Geol. 404 - Economic Geol. 3 cr (3,0). Change of credit.

4. Hist. 321 - Representative Americans 3 cr (3,0). New course.
Hist. 332 - Modernization of East Asia 3 cr (3,0). New Course.

5. Math 313 - Statistical Theory & Methods I 3 cr (3,0). Change of
title only.
Math 405 - Statistical Theory & Methods II 3 cr (3,0). New course.

6. Phil 201 - Intro. to Philosophy 3 cr (3,0). Change of number. Replaces
Phil 301.
Phil 303 - Philosophy of Religion 3 cr (3,0). New course.
Phil 312 - Modern Philosophy 3 cr (3,0). New course.
Phil 322 - Symbolic Logic 3 cr (3,0). New course.

7. Redesignate Government as subject area by Political Science:

- Pol Sci 201 - Intro. to Pol. Sci. I 3 cr (3,0). New course.
- Pol Sci 202 - Intro. to Pol. Sci. II 3 cr (3,0). New course.
- Pol Sci 301 - Amer. Govt. & Pol. Parties 3 cr (3,0). Change title of
Gov 301.
- Pol Sci 302 - State & Local Govt. 3 cr (3,0). Change title of Gov 302.
- Pol Sci 321 - General Public Administration 3 cr (3,0). New course.
- Pol Sci 331 - Const. Dev. of the U.S. 3 cr (3,0). Change of title of
Gov 303.
- Pol Sci 341 - Political Behavior 3 cr (3,0). New course.
- Pol Sci 352 - Modern Political Thought 3 cr (3,0). New course.
- Pol Sci 361 - International Politics 3 cr (3,0). Replaces Gov 403.
- Pol Sci 371 - Comparative European Governments 3 cr (3,0). Replaces Gov 401

8. Rel 306 - Religions of the West 3 cr (3,0). Replaces Rel 303
Rel 307 - Religions of the Far East 3 cr (3,0). Replaces Rel 303.

9. Soc 201 - Introductory Sociology 3 cr (3,0). Change of number of Soc 301.
Soc 202 - Social Problems 3 cr (3,0). Change of number of Soc 302.
Soc 311 - The Family 3 cr (3,0). Change of number of Soc 402
Soc 321 - Cultural Anthropology 3 cr (3,0). Change of number of Soc 404.
Soc 331 - Urban Sociology 3 cr (3,0). New Course.
Soc 341 - Population Analysis 3 cr (3,0). New Course.
Soc 351 - Industrial Sociology 3 cr (3,0). Change of number of Soc 405.
Soc 411 - History of Social Thought 3 cr (3,0). New Course.
Soc 421 - Sociological Theory 3 cr (3,0). Change of number of Soc 407.
Soc 431 - Complex Organizations 3 cr (3,0). New Course.
Soc 441 - Social Stratification 3 cr (3,0). Replaces Soc 408
Soc 451 - Sociology of Medicine 3 cr (3,0). New Course.

10. Nurs 103 - Principles of Nutrition 4 cr (3,3). Change of number of Nurs 211.

The titles of other nursing courses have been changed as follows--

Nurs 101 from Fund. of Nursing 1 to Intro. to Nursing.

Nurs 102 from Fund. of Nursing 11 to Acute Illnesses - Adult

Nurs 105 from Integr. Phys. Science 1 to Integrated Science 1.

Nurs 106 from Integr. Phys Science 11 to Integrated Science 11.

Nurs 201 from Gen. Nursing 1 to Psychodynamic Nursing.

Nurs 203 from Gen. Nursing 11 to Long Term Illnesses - Adult.

Nurs 204 from Gen. Nursing 111 to Maternal & Child Care.

Nurs 212 from Nursing Seminar to Seminar.

B. Changes in B. S. Curricula.

1. Chemistry.

(a) Hist 203 & 204 will be substituted for Hist 101 & 102.

(b) In the sophomore year, Phys 221, 222, 223, 224 will be substituted for Physics 211, 212, 213, and 214.

(c) Ch 313 and 315 will take the place of Ch 316.

(d) Phys 351 will no longer be required.

2. Geology.

(a) In the junior year, Phys 221, 222, 223, and 224 will be substituted for Phys 211, 212, 213, and 214.

(b) Experimental Statistics 401 Intro. Statistics will be required in the second semester of the junior year.

3. Mathematics

In the junior year, Comp Sci 310 is required in place of 3 hours of a Math elective.

4. Pre-Medicine.

Since neither the Med. College of the State of S. Car., nor most of the other medical colleges in adjacent states now requires any quantitative analysis for admission, this requirement at Clemson will be reduced from 5 cr (3,6) to 4 cr (3,3) by substituting Ch 313 and Ch 317 for Ch 316. This will reduce the over-all required credits for graduation from 134 to 133.

C. Changes in B. A. Curriculum.

1. The basic requirements for the B.A. degree will be liberalized and broadened as follows--

(a) Two years of English, normally Engl 101, 102, 203 and 204.

(b) One year of History, normally History 203 and 204.

(c) One year of Mathematics, normally Math 101 and 102.

(d) Modern language through the sophomore level, normally French, Spanish, German or Russian 101, 102, 201, and 202.

(e) One year of a natural science, normally Chem. 101, 102, Biology (Zool 101, 103 + Bot 101), Geology 201, 203, 304, 305, or Physics 201, 202, 203, and 204.

(f) Of the 24 free electives, six hours must be taken in the social sciences and six hours in the humanities. The 4 hours required by the University in the areas of Aerospace Studies or Military Science will also be included in the free electives.

2. The total hours required under the B.A. program for a major in mathematics will be reduced from 131 hrs to 128 hrs.
3. Political Science to be a Minor Field of Concentration.

The program of study shall consist of 15 semester hours of course work beyond Pol Sci 301 (through 1966-67) or 201-202. Courses for this concentration will be selected from Pol Sci 302, 321, 331, 341, 361, or 371.

4. Sociology to be a Major Field of Concentration.

The recommended program of study shall consist of the required courses in the B.A. curriculum plus Sociology 301 (through 1966-67) 201-202, and (effective 1967-68) Econ 201, 202, Phil 201, 302, Pol Sci 301, and Exp. Stat. 401. In addition 24 semester hours must be selected from the following (including Soc 411, 421: Soc 311, 321, 331, 341, 351, 411, 421, 431, 451.

X. The B.A. degree curricula in Education will be changed as follows--

1. To meet certification requirements, one year of biological sciences (Bot 101, Zool 101, 103) and a two-semester sequence in Chemistry, Geology or Physics will be completed.
2. Six semester hours in humanities will be taken in Mus 310 and Arch 403.
3. Hist 101, Hist 102, Econ 201, and the third year of a Modern Language will be deleted as specific basic requirements.
4. Elective hours will be added to keep the curricula at their present total.

XI. The B.S. degree in the Science Teaching curriculum will be changed as follows--

1. History 101, 102 will be replaced with 6 semester hours of social science electives.
2. Economics 201 and Government 301 will be replaced with 6 semester hours of electives.
3. One of the three-hour elective courses will be replaced by Ed 498, Teaching of Secondary School Reading, which will be a certification requirement after July 1, 1966.
4. Elective hours will be added to keep the curriculum at its present total.

MINUTES OF RESEARCH FACULTY MEETING

1. The Research Faculty Council met in Room 1, Physics Building, November 16, 1965 at 4:00 P.M., Chairman W. C. Godley presiding.
2. Minutes of the October meeting were approved.
3. Dr. F. I. Brownley presented information concerning research in the Department of Chemistry. Analytical research included both theoretical and practical approaches. The work includes the building of a potentiometric titremeter with automatic read out in terms of volume vs pH. EDTA studies are underway determining the physical properties of metal chelates. Inorganic studies are centered on transition metal complexes and the absorption of gases by metal complexes. Organic work is mechanistic such as synthesizing a completely aromatic polymer. Natural products study hopes to illucidate the structure or synthesis of natural products. Physical Chemistry work includes molecular vibrations studies. Polymer work concerns the diffusion process of a number of different polymers.

Dr. Brownley believes that a completely integrated research program is necessary.

4. Ad Hoc Committee report was given by Dr. R. L. Edwards. The report recommended changes to the Constitution of the Research Faculty Council. The changes pertain to Article II Section I, Membership (par. 5, page 62) and Section 2, Election of Officers (par. 1, page 63).
5. Dr. Godley reported on the Alumni National Council and Foundation meetings October 22, 1965.
6. Dr. Godley requested the Ad Hoc Committee to consider the meeting dates of the Research Faculty Council which are mandatory for the third Tuesday of each month.
7. Dr. Schwartz proposed that the script written for radio publicity be sent to The Tiger staff for publication.

Respectfully submitted,
Edward S. Olson
Secretary

MINUTES OF THE GRADUATE COUNCIL

The Graduate Council met in the Graduate Dean's office at 4:04 p.m. Friday, November 12, 1965.

1. The minutes of the October 8 meeting were approved.

2. Dean Hurst asked for reports by the Chairman of the following ad hoc committees:

A. Procedure for Writing Theses and Dissertations

Dr. Byrd read the following recommendation on the use of paper and duplicating processes for theses:

- (1). If a reproduction process is to be used either multilith or xerox be allowed for thesis duplication.
- (2). A minimum quality of paper equal to 20-pound bond, 100 per cent rag content be required.
- (3). No corrections shall be made on the duplicated copies.
- (4). All letters must be clearly and completely formed as evidenced on the duplicated copy. All copies must be clearly reproduced and completely legible.

Dr. Byrd moved this recommendation be adopted. There was discussion and a motion to table was approved unanimously.

B. Use of Graduate Record Language Examination in German, French, or Russian.

Dr. Calhoun reported that the minimum charge for each examination would be \$60 for 10 students. The student would not be allowed to use a dictionary. The committee plans to send out a questionnaire to each department involved in the doctoral program.

Dr. Hurst stated that a fair price might be set for the student and the Graduate School might make up the difference.

The question arose on the policy of language examinations for foreign students. Dean Hurst stated that the Graduate School will accept English, one foreign language, and his native tongue provided that sufficient work of an advanced nature had been published in his native tongue.

C. Grading of Doctoral Research

Dr. Andrews reported that his committee has been studying the problem and has no report at the present time.

(1). Dean Hurst explained the 75¢ increase in the thesis binding fee. The old price of \$3.00 no longer covers the cost of binding. The additional fee includes 25¢ for increase in binding cost; 25¢ for increase in handling costs; and 25¢ for printing the title of thesis and author's name on the spine.

(2). Dean Hurst explained that a Graduate Assistant had been re-defined as "a student with a baccalaureate degree from an approved institution who contracts to devote a minimum of 10 working hours per week to the University for at least a full semester".

(3). Dean Hurst proposed that a potential graduate student who has not taken the GRE can come to Clemson as a graduate assistant if his GPR and letters of recommendation are indicative of his qualifications; however, he may not be admitted to the Graduate School. If he passes the GRE he can be admitted and get credit for courses taken. If he does not pass he does not get credit and he remains as a special student.

D. New Business

(1). Dean Hurst requested that the Council approve the following new courses:

- a. Economics 600 - Seminar in Advanced Economic Theory.
- b. Industrial Engineering 511 - Quantitative Production Control.
- c. Physics 511 & 512 - Methods of Theoretical Physics I & II.
- d. Mechanical Engineering 560 - Advanced Systems Analysis I.

Dr. Rich moved that the courses be approved. The motion was seconded and approved unanimously.

The Department of Bacteriology requested that Bact 301 be offered for graduate credit for students other than those majoring in the Biological Sciences. This request was approved unanimously.

(2). Dr. Hurst announced that in the future the Physics Department will not accept graduate students unless they are willing to write a thesis.

(3). Dr. Hurst proposed the following changes:

A change in policy in regard to the filing of GS2 and GS2d forms (Preliminary Study Plans) from the present form to -

"Those enrolled in Master's Degree Programs shall file a Preliminary Study Program (GS2) by not later than the end of their first academic semester (9 hours) of residence. Those enrolled in Doctoral Programs shall file a Preliminary Study Program (GS2d) by not later than the end of their first academic year (18 hours) of residence. If changes in study plans become necessary, revised forms of GS2 and GS2d should be submitted".

A discussion followed. Dean Hurst requested that the Council study this proposal before the next meeting. A suggestion was made that the GS2 indicate whether the program is for a M.S. or a Ph.D. degree.

(4). Dr. Rich asked that the Council approve courses to be used in the Water Resources Program:

- WR 511 - Climatology
- WR 512 - Meteorology

Dr. Rich also pointed out that these courses could be used in Environmental Systems Engineering and in Air Pollution.

Dr. Rich moved that the courses be approved. The motion was seconded and approved unanimously.

The Council adjourned at 5:21 P.M.

Respectfully submitted,

T. R. Adkins, Jr. Secretary

S. M. WILLIS TO HEAD SUMTER BRANCH

S. M. Willis (IM) will move to Sumter in April, 1966 to become Director of the Clemson University Freshman-Sophomore Branch located in that city. The Branch will begin operation in August, 1966.

The Clemson campus at Sumter will consist of four new buildings, now under construction on a thirty-five acre plot. The four buildings are administration, classroom, science, and library. A full-time faculty of eight will be working with Dr. Willis when the first class of freshmen enrolls in August.

The Clemson program at Sumter will be one of freshman-sophomore courses. Admission requirements and academic regulations will be the same as those for the main campus.

Dr. Willis has the B.S. from Clemson, MS from Georgia Tech, and the Ph.D. from the University of Alabama. He has been a member of the Clemson faculty since 1950, except for periods of graduate study and two years as plant manager of the Milliken Tetra-Pak Company in Spartanburg.

ADDITION TO BOTANY FACULTY

Luther W. Baxter, Jr. of Bowling Green, Kentucky, will join the faculty in Botany in January as an associate professor. He has the B.S. degree from Eastern Kentucky State, the M.S. and Ph.D. degrees from Louisiana State University.

In addition to work with Kaiser Aluminum in air pollution, he has taught at Clemson (1955-58), and is currently chairman of Agriculture at Western Kentucky State College.

He is married and has three children.

MINUTES: FACULTY BASIC RESEARCH COMMITTEE

The Faculty Basic Research Committee of Clemson University met in the Graduate School Office at 4:05 p.m. on October 29, 1965. The following members were present: T. H. Garner, G. C. Kingsland, J. E. Miller, J. J. Porter, Tah-teh Yang, B. R. Skelton, M. A. Wilson, ex-officio and Victor Hurst, ex-officio, chairman.

Chairman Hurst introduced Mr. M. A. Wilson, ex-officio, who outlined the purpose, source of funds and history of the Faculty Basic Research Program. The following points were stressed in this presentation:

1. Purpose of the Faculty Basic Research Committee -- To encourage basic research by members of the faculty through the provision of financial support for worthwhile projects which are not supported by taxpayers money.
2. Reviewed memorandum of C. A. Reed, October 5, 1959, to stress the following points:
 - a. Research work contributing directly to a university degree may not be supported.
 - b. Credit must be given to the Kress Foundation (Now Faculty Basic Research Committee).
 - c. Funds may not be used to pay salaries or wages of any Clemson faculty or staff member.
3. Reviewed memorandum of J. E. Miller, July 11, 1965, which clarified the question of what happens to equipment bought by Faculty Basic Research Funds. Equipment so purchased is the property of the Committee and may be transferred to another project after completion of the original project.
4. Memorandum of H. H. Macaulay, May 15, 1964, outlined travel and purchasing procedures. Both travel and purchasing are to be conducted according to University regulations.

Mr. Wilson further explained that funds allocated by the Committee do not have to close out at the end of the fiscal year as is common with other research monies. The four sources through which funds are currently available are:

1. Kress Foundation
2. National Science Foundation
3. Alumni Loyalty Fund
4. Royalties from the sale of books that have resulted from sponsored projects.

Mr. Wilson counseled the committee to insure, that for all projects supported, University regulations be followed in establishing wages and in reimbursement for travel.

J. E. Miller suggested that the policies of the Faculty Basic Research Program be published yearly and reminded the group that National Science Foundation funds are restricted as to areas of research.

A brief discussion of the future of the Kress Foundation stocks ensued. M. A. Wilson expressed the opinion that funds from this source will continue to be very limited.

Dr. Hurst explained the amounts of money currently available:

\$4000 for science projects
\$1500 unrestricted funds, commonly used for research
in social sciences and Humanities.

Dr. Kingsland asked whether or not reports were required on work financed by the research program. Dr. Hurst stated that a reprint, abstract or a short summary report should be made available to the Committee.

The following projects proposed by faculty members were considered:

G. B. Savitsky

Application of High Level Random Deuteration to Proton Magnetic Resonance, \$1000. Approved, motion by J. E. Miller.

J. L. Von Rosenberg, Jr.

Cyclopropane Rings as Ligands in Metal-Organic-Complexes, \$750. J. E. Miller moved approval, subject to the stipulation that the items and costs of chemical apparatus be specified on the proposal. Motion carried.

C. A. Venkatu

Plastic Deformation of Metals, \$765. J. E. Miller moved approval with the understanding that "at \$1.10 per hour" be deleted and replaced by "at University rates". Motion passed.

R. P. Morgan

Bibliography of South Carolina Imprints, 1741-1783, \$200. Approved, motion by J. E. Miller.

B. R. Skelton

The present Status of Labor Unions in the South, \$605. Changes were made in per diem rates as listed on the proposal. Also suggested that the specification of mileage rate be deleted. J. E. Miller moved approval of the revised proposal. Motion carried.

Meeting adjourned at 5: p.m.

Respectfully submitted,

T. H. Garner, Secretary

GIFTS AND GRANTS

The following gifts and grants have been announced since the last issue of the Newsletter was printed.

--from NSF to C. Q. Brown (Geol), \$57,790 for a Summer Institute in Physical and Biological Sciences for Secondary School Teachers.

--from the National Advisory Council on Arthritis and Metabolic Diseases, NIH, to Robert F. Borgman (Food Sci & Biochem), \$52,930 for research in the Council's areas of interest.

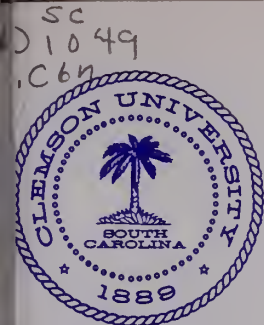
--from Public Health Service to Robert F. Borgman (Food Sci & Biochem), \$100,516 for the direction of an environmental health training program involving the College of Agriculture & Biological Sciences and the College of Engineering.

--from Greenwood Mills to L. C. Wilcox (ME), \$23,835 for research on systems analysis.

--from Laurens Glass Company to the Loyalty Fund for faculty development, \$250.

PERSONAL MENTION

- Henry Clay, Jr. (Ext) has resigned as extension horticulturist to become an assistant professor at Middle Tennessee State University, effective January 14, 1966.
- Robert F. Borgman (Food Sci & Biochem) attended the Southeastern American Chemical Society meeting which was held in Memphis, Tennessee December 2-4, 1965 where he presented a paper entitled "The Influence of Ethanol Upon Experimental Cholelithiasis in Rabbits."
- Harvey E. Morgan, Jr. represented Clemson at the Southeastern Instructional Conference in Washington, D. C. November 16-20 sponsored by the National Education Association.
- J. K. Williams (Adm) presented a paper, "Pressing Problems in Undergraduate Education," at the Southern Regional Conference on Education held in Richmond, Virginia, December 2-3. He has also been elected to a second term as a member of the Executive Council of the Commission on Colleges, Southern Association of Colleges and Schools.
- Richard J. Calhoun (English) presented a paper, "The Lyric of Self-Dramatization in Contemporary American Poetry," at the November 4-6 meeting in Atlanta of the South Atlantic Modern Language Association. He is also the author of an article on Robert Lowell in the fall issue of Furman Studies, and of an essay on William Carlos Williams to be printed in the book, Poetry and Fiction of the American Twenties. This book is published by the Everett Edwards Press and is scheduled for January, 1966.
- E. M. Lander (Hist) has been elected to a three-year term as a member of the board of editors of the Journal of Southern History.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 10

January 15, 1966

JAN 19 1966

CALENDAR: JANUARY 15-FEBRUARY 5

Jan. 15-Feb. 1		Exhibit at Lee Gallery, School of Architecture. "Photographs of Robert Smeltzer."
Jan. 15	S	Contemporary Film Series, "Ditte, Child of Man" Civil Engr. Auditorium.
Jan. 15	S	Basketball: Clemson v. U. of So. Carolina
Jan. 16	Sun.	Public tea at Pendleton Farmers Society Building, 4-6 p.m. where Mrs. Mary B. Longley will autograph copies of her new book, "Pilgrim Voyage 37" written from notes of her brother, Ben Robertson, a Clemson graduate.
Jan. 18	T	Meeting of the Research Faculty Council will be held at 4:00 p.m., in Room 1, Physics Building.
Jan. 19	W	Public meeting to discuss the possible formation of a funeral society. Club Room 1, YMCA. 8 p.m.
Jan. 24	M	Area home economists will meet in Fort Hill Com- munity Room. 8 p.m.
Jan. 25-26	T-W	Pesticide Chemicals School. Clemson House. Public welcome.
Jan. 25-27	T, W, Th	Religious emphasis programs. College Chapel. Rev. Emmett Gribbin, U. of Alabama, will be main speaker.
Jan. 28	F	Basketball: Clemson v. Virginia
Jan. 29	S	Basketball: Clemson v. Maryland.
Feb. 1	T	Sage Club Dinner meeting. 6:30, Clemson House.
Feb. 1	T	Regular meeting, Faculty Senate. 4:15 p.m., Room 1, Physics Building.
Feb. 2	W	Newcomers Club Bridge group will meet at the Clemson House in the Lounge at 8 p.m. Mrs. R. J. Prochaska will be the hostess.
Feb. 4-5	F-S	Midwinter dances. Dining Hall.
Feb. 4-5	F-S	Annual Convention, S. C. Speech Association. Clemson House. Public welcome.

CALENDAR CORRECTION IN DATES AND DATA

The left page of the February calendar section of Dates and Data was inadvertently omitted by the printer during the press run, and the left page of the March calendar was incorrectly substituted. Events actually scheduled in March 1966 are also shown incorrectly on Mondays, Tuesdays and Wednesdays in the February calendar.

You may correct your copy of Dates and Data by substituting the page below for the left page of the February 1966 calendar.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY
		¹ Basketball-at Wake Forest; Clemson Night	²
⁶	⁷	⁸	⁹ Concert-Orig Piano Quartet at Fld House
¹³	¹⁴ Basketball-Wake Forest	¹⁵ Stu elects period begins; Adult Ed Cent	¹⁶
²⁰	²¹	²² Basketball-Ga Tech; Adult Educ Center	²³
²⁷	²⁸ Prelim repts due		

ALUMNI FUND TOPS \$1,000,000 IN TEN YEARS

A record-breaking total of \$217,313.98 in gifts to the Clemson Alumni Loyalty Fund in 1965 brought the total income of the Loyalty Fund to \$1,040,061.78 for the 10 years since its establishment in 1956. The year before the Loyalty Fund began (1955) alumni gifts approximated \$15,000. The Fund has received more than \$100,000 each of the last six years.

A total of 3,931 alumni and 52 associate members of the Alumni Association made gifts varying from two-dollar amounts by several members of the Class of 1965 to the \$104,076 bequest by Robert A. Bowen, a member of the Class of 1917 from Macon, Ga.

The 1965 Loyalty Fund had an unrestricted income of \$102,998.48 and a restricted income of \$114,315.50. Educational grants to the University from the unrestricted portion of the Fund will be made by the Trustees of the Clemson University Foundation later this month.

MINUTES OF THE FACULTY SENATE

The Faculty Senate met on December 7 at 4:15 p.m. in Room I of the Physics Building, President J. M. Stepp presiding. After introducing Professor John M. Wannamaker, elected to replace Dr. Sam M. Willis, Dr. Stepp presented two recommendations which had been postponed from the previous meeting. The Policy Committee's recommendation that the administration be asked to adopt a policy of "encouraging all legitimate means to present the concept of Clemson as a university" was referred to the committee for further consideration. Similar action was taken on a recommendation of the Admissions and Scholarship Committee intended to minimize the possibility that academically weak students might be allowed to continue their enrollment with little hope of graduation.

Committee chairmen were asked for their reports. Dr. J. G. Dinwiddie (Welfare) submitted the following report:

- (1) Attendance at professional meetings has been satisfactory, but larger appropriations for this purpose would ensure larger attendance.
- (2) A standing Senate committee on faculty recreation is not needed at this time.
- (3) The name "Welfare Committee" seems satisfactory as the official designation of a committee carrying out the functions of faculty welfare, but the committee is receptive to suggestions for a different name.
- (4) A letter to the administration regarding the Tenure Policy is planned. Implementation of the Tenure Policy across departmental lines and with reference to the Sumter branch will be discussed.
- (5) The parking situation is gradually becoming more perplexing.

Dr. Dinwiddie moved that the Senate approve the following recommendation:

"Due to the increasing lack of adequate parking space on the campus, the Faculty Senate urges that consideration be given to making more space available for faculty use. Among the areas that offer possibilities for additional space are those in the vicinity of the new Library Building and the space across from the Industrial Education Building."

Ensuing discussion indicated a general dissatisfaction with the University's present management of campus parking and traffic, but there was no consensus as to a remedy. It was observed that parking and traffic problems had been aggravated by (1) the increased number of reserved parking areas, (2) the lack of authority of the Parking and Traffic Control Committee, (3) the failure to correlate parking and traffic control with the rapid expansion of housing and service facilities, (4) the lack of a professional attitude toward the whole problem. It was also suggested that the advice of off-campus traffic engineers be sought. The motion passed.

MINUTES OF THE FACULTY SENATE CONTINUED

Dr. Henry G. Lefort (Policy) reported that his committee was considering what steps might be taken to improve undergraduate teaching at Clemson and asked for faculty suggestions.

Reporting for an ad hoc committee, Dr. J. T. Long introduced a resolution which would make the Constitution and By-Laws of the Faculty Senate compatible with the new University calendar and provide for reasonably quick representation of any new School or College of the University in the Faculty Senate. The resolution will be considered at the next meeting of the Senate.

The meeting was adjourned at 4:40 p.m.

Respectfully submitted,

Herman M. Felder, Jr.
Secretary

Absent:

W. C. Bowen
R. C. Harshman
A. F. Newton
T. L. Senn

REPORT OF RESEARCH FACULTY MEETING

1. Meeting was called to order at 4:05 p.m., Dr. Godley presiding.
2. Minutes of the November meeting accepted as published.
3. Chairman's report:
 - a. The Chairman has attended meetings of the Educational Council. Minutes of these meetings are available in his office.
 - b. The script for radio broadcast has been sent to The Tiger. No publication to date.
4. The Chairman requested that each committee be prepared for the meeting on January 18. Each committee will report on their activities to date.
5. Unfinished Business: The Executive Committee met to consider the policies regarding patents. Dr. Schwartz will prepare a statement concerning salient facts concerning patents. Also to be included in the statement will be any thoughts of the Patent Committee. The statement will be presented at the January meeting.
6. Meeting adjourned at 4:28 p.m.

PROFESSORSHIP ESTABLISHED IN HONOR OF THE LATE DR. FRED CALHOUN

A professorship in chemistry, named in memory of the late Fred Harvey Hall Calhoun, has been established (effective January 1) through the generosity of a sponsor who wishes to remain anonymous. The professorship will carry a special stipend of \$3,000 per year.

Dr. Calhoun, for whom the professorship is named, was a member of the Clemson faculty for almost forty-one years. From 1926 until his retirement in 1943 he was Dean of the School of Chemistry. His reputation as an excellent teacher and a highly effective administrator is firmly established with all Clemson men who knew him over the years.

The recipient of the Fred Harvey Hall Calhoun professorship in Chemistry is Dr. Albert R. Pinder. Dr. Pinder has the B.Sc., Ph.D., and D.Sci. degrees from the University of Sheffield and Oxford. His teaching experience includes fifteen years at Oxford, Queen's University in Belfast, the University of Wales and Florida State University. He is a member of several professional societies and has been the author of a large number of books and articles. His wife, Pamela Oliver Pinder, is from New Ferry, Cheshire, England, and they have two daughters, 12 and 8 years of age.

The Calhoun professorship is the eighth established at Clemson, all in the past few years. Three of the eight are sponsored by the Clemson Alumni Loyalty Fund, one by the Draper Foundation, one by the Sirrine Foundation, one by the Belle Baruch Foundation, and two by anonymous sources.

WILLIAMSON REJOINS ARCHITECTURE FACULTY

Horace H. Williamson of Troy, New York has rejoined the faculty in Architecture as an Associate Professor after an absence of two years as a design architect for the Tennessee Valley Authority. He has the B.S. and B.Arch. degrees from Georgia Tech and the M.Arch from Rennselaer. Prior to joining the Clemson faculty in 1962 he was engaged in private practice. He is married to the former Doris Stewart of Blue Ridge, Georgia and they have two children.

EXPERIMENT STATION ADDS ASSOCIATE EDITOR

Cecil M. Nicholas of Silver Springs, Maryland joined the experiment station staff on January 10 as associate editor. He holds a degree in journalism from the University of Missouri and has had thirty years experience in Washington as information specialist with the U. S. Civil Service and U.S.D.A. He is married and has one son.

NEW COURSES ADDED

Appropriate Committees and Council have approved the following list of new courses:

- German 406, Faust, 3 cr. (3,0).
- In Ed 595-596, Graduate Problems I & II, 3 cr. (3,0).
These replace the courses In Ed 591-592.
- EE 508, Communication Systems, 3 cr. (3,0).
- EE 514, Nonlinear Automatic Controls, 3 cr. (3,0).
- Zool 507, Radioisotopes in Biological Research, 3 cr. (2,3).
- Zool 508, Radiobiology, 3 cr. (2,3).
- Zool 509, Toxicology, 3 cr. (2,3).
- Zool 510, Mammalogy, 3 cr. (2,3).
- En H 571, Environmental Health, 3 cr. (3,0).
- En H 593-594, Environmental Health Seminars, 1 cr. (1,0).
- Agron 520, Pesticide Residues in Soils and Water, 3 cr. (3,0).
- Ag E 573, Radiological Health, 3 cr. (2,3).
- Ag E 674, Radiological Health Engineering, 3 cr. (2,3).
- IE 511, Operations Research in Production Control, 3 cr. (3,0).

SUNRISE SEMESTER TO OFFER TV COURSES OVER WSPA

Again this spring the Spartanburg TV station (WSPA--Channel 7) will offer as a public service two television courses originating from the Washington Square College of Arts and Sciences, New York University.

On Mondays, Wednesdays and Fridays, 6:30-7:00 a.m., January 31-May 13, 1966, Associate Professor Philip Mayerson will present "Classical Mythology"; on Tuesdays, Thursdays and Saturdays, 6:30-7:00 a.m., February 1-May 14, 1966, Associate Professor Jane Costello will present "The Age of Rubens."

These courses (or either of them) may be taken for credit, for informal participation, or for cultural enjoyment. There is one course in Classical Mythology and another titled The Age of Rubens. Application should be made to: Director of Admissions, Washington Square College of Arts and Science, New York University, Washington Square, New York, 10003.

BACHELORS' DEGREES AWARDED IN 1965 BY MAJOR COURSES

<u>College of Agriculture and Biological Sciences</u>	115
Agricultural Economics	5
Agricultural Education*	20
Agronomy	13
Animal Science	13
Biology	23
Dairy Science	8
Entomology	1
Food Science	1
Forestry	13
Horticulture	15
Poultry Science	3
<u>School of Architecture</u>	29
Architecture	29
<u>College of Arts and Sciences</u>	160
Applied Mathematics	9
Arts and Sciences	114
Chemistry	6
Geology	1
Mathematics	3
Medical Technology	1
Physics	5
Pre-Medicine	21
<u>School of Education**</u>	15
Agricultural Education	7
Education	1
Industrial Education	7
<u>College of Engineering (Including Double Major)</u>	252†
Agricultural Engineering	5
Ceramic Engineering	14
Chemical Engineering	26
Civil Engineering	57
Electrical Engineering	73
Industrial Education*	6
Industrial Engineering	10
Mechanical Engineering‡	61
<u>School of Industrial Management and Textile Science</u>	194
Industrial Management	115
Textile Chemistry	14
Textile Management	62
Textile Science	3

Total Bachelors' Degrees Awarded in 1965 (Excluding Duplicates) 764

* Agricultural Education and Industrial Education transferred to School of Education July 1, 1965.

** School of Education established July 1, 1965.

† Includes one student who formerly graduated in Industrial Engineering.

MASTERS' DEGREES AWARDED IN 1965 BY MAJOR COURSES

<u>College of Agriculture and Biological Sciences</u>		36
Agricultural Economics	3	
Agricultural Education*	2	
Agronomy	4	
Animal Science	1	
Bacteriology	1	
Dairy Science	1	
Entomology	7	
Horticulture	6	
Plant Pathology	2	
Poultry Science	2	
Zoology	7	
<u>School of Architecture</u>		1
Architecture	1	
<u>College of Arts and Sciences</u>		25
Chemistry	3	
Economics	1	
Education*	2	
English	2	
Mathematics	12	
Physics	5	
<u>School of Education**</u>		9
Agricultural Education	1	
Education	6	
Industrial Education	2	
<u>College of Engineering</u>		50
Agricultural Engineering	5	
Ceramic Engineering	8	
Chemical Engineering	9	
Civil Engineering	6	
Electrical Engineering	3	
Engineering Mechanics	1	
Industrial Education*	1	
Mechanical Engineering	13	
Water Resources Engineering	4	
<u>School of Industrial Management and Textile Science</u>		8
Industrial Management	5	
Textile Chemistry	3	
 Total Masters' Degrees Awarded in 1965		 129

* Agricultural Education and Industrial Education transferred to School of Education July 1, 1965.

** School of Education established July 1, 1965.

DOCTORS' DEGREES AWARDED IN 1965 BY MAJOR COURSES

<u>College of Agriculture and Biological Sciences</u>	8
Agricultural Economics	1
Agronomy	1
Entomology	3
Plant Pathology	3
<u>College of Arts and Sciences</u>	10
Chemistry	8
Physics	2
<u>College of Engineering</u>	2
Chemical Engineering	2
Total Doctors' Degrees Awarded in 1965	20
Total Number Degrees Awarded in 1965 (Excluding Duplicates)	913

CLEMSON SIGMA XI CLUB TO BECOME A CHAPTER

The Clemson Sigma Xi Club presented a petition for chapter status at the annual meeting of the Society of the Sigma Xi in Berkeley, California on December 29th. This petition was approved and formal installation of the chapter will take place in the spring. Dr. C. Q. Brown, Department of Chemistry and Geology and president of the Clemson Club, attended the national meeting as a delegate and presented the petition. Approximately 100 people on the Clemson staff, as well as some scientists located elsewhere, are members of the local club.

POLICY STATEMENT ON DUPLICATION OF FACULTY RESEARCH

Clemson faculty members who wish to do so may have their papers, theses and dissertations duplicated by Central Services. These will be paid for by the faculty members themselves. Work may be contracted for by applying to Mr. Cromer, director of Central Services. Duplicating work will be done only as it fits into the normal work schedule of Central Services.

TEACHERS AND TEACHING: NOTES ON SOME CURRENT LITERATURE

- An unusual paperback dictionary now available, The Penguin Dictionary of English, includes spaceage words and some of the novel jargon of modern youth.
- In the World, a novel by George P. Elliott (Viking Press), has to do with the University of California.
- The American College and University, a three-year-old book by Abraham Lass and E. S. Wilson which reviews the history of U. S. higher education from the Colonial Period, is now available in paperbacks.
- The October 16 Saturday Review has a John Gunther article on the University of Chicago. (Good report on the University's progress).
- The November 1 U. S. News and World Report carries an interview with Dr. Stefan Possony of the Hoover Institution at Stanford assaying the communist influence in the student protest movement. He says that while numbers are small, tight organization makes impact large.
- Two recent novels with professors as central characters are Cork Street, Next to the Hatters by Pamela Johnson (Scribner's), and The Fires of Arcadia by G. B. Harrison (Brace and World). The first deals with a professor who writes plays which expose the evils of society; the second (by a noted Shakespearian scholar) has a professor of the classics challenging a professor of biology to reproduce the animals of mythology.
- Richard Armour has in print an attack on the academic world. The title is Going Around in Academic Circles (McGraw Hill). Some humor, some half-truths, much nonsense.
- GRADUATE EDUCATION TODAY edited by Everett Walters, American Council on Education, Washington, D. C. is a series of essays by deans. The M.A. is not going out of style. Graduate students are not corrupted by assistance grants. The decline of the humanities began when the humanist fell prey to the blandishments of dialectical materialism.
- PAEDAGOGICA EUROPAEA 1965 by the Council of Cultural Cooperation, American Elsevier Publishing Company, Inc., New York is a multi-lingual (English, French, German) collection about the problems of education in Europe.
- EDUCATION AND POLITICAL DEVELOPMENT edited by James S. Coleman (Princeton University Press) is a study of what education means in the political development of nations. Essays on underdeveloped lands with contrasting essays on the educational programs of Western Europe and America.

NSF ESTABLISHES ENVIRONMENTAL SCIENCES DIVISION.

National Science Foundation Director Leland J. Haworth has announced the establishment in the Foundation of a Division of Environmental Sciences headed by Dr. T. O. Jones, who has headed the NSF Office of Antarctic Programs since 1961.

The new Division will be responsible for programs in the support of research in the atmospheric sciences, including aeronomy, meteorology, solar-terrestrial interactions, and weather modification; the solid-earth sciences, including geology, geophysics, and geochemistry; physical oceanography; and the Antarctic Program, which Dr. Jones will continue to head.

According to Dr. Haworth, the "creation of the division will enhance mutual support between areas of science that have a number of common problems and that lend themselves to inter-disciplinary approaches to scientific research. These problems frequently involve the need for logistic support and a high degree of advance planning for field operations" of the sort with which the Antarctic Office has had experience.

GIFTS AND GRANTS

The following have been reported since the last issue of the Newsletter was printed.

- from NSF to J. E. Halpin (bot), \$9815 to conduct a summer institute for high school juniors and seniors interested in biological sciences.
- from the Class of 1964 to the Library, \$612 for display cases.
- from NASA to the Graduate School, six three-year doctoral fellowships to support students in space related sciences and technology. The total amount of support is \$117,600.
- from American Cyanamid to IM-TS, \$650 for unrestricted use.
- from the Tennessee Corporation to Agronomy, \$500 in support of micro-nutrient research.
- from Norwich Pharmacal Co. to Poultry Science, \$500 in support of research related to coccidia.
- from a source wishing to remain anonymous, \$2200 to the School of IM-TS for a graduate fellowship.
- from the General Electric Foundation to engineering, \$2500 for unrestricted educational use.
- from E. I. duPont DeNemours to Chemistry, \$3,000 for a graduate student assistantship.
- from E. I. duPont DeNemours to Chemical Engineering, \$2,200 for a summer research grant to a faculty member nominated by the department.

AN ACADEMIC FANTASY

(Reprinted by permission from "Four Academic Fantasies" by Noel Perrin in The New Yorker of December 4, 1965.)

The idea first occurred to two men in the history department, shortly after the university had promoted its head fund-raiser to the new office of Vice-President for Development, simultaneously turning over to a magnified Alumni Development Office a building that for the preceding hundred and twenty-six years had housed classrooms.

The following week, there was a secret and illegal meeting of the faculty. The two historians explained their plan, and acceptance became certain when one of them (an economic historian) pointed out that though the university's Loyalty Fund was currently bringing in a full million a year, only about four hundred and fifty thousand of this turned itself into teachers' salaries, or library books, or anything academic at all. The rest vanished soundlessly into administrative costs, including quite a decent budget for the Development Office itself. The faculty accepted the plan by a vote of 317 to 58. None of the 58 dissenters mentioned the meeting to the president, the academic provost, or any of the vice-presidents, deans, or vice-deans.

A letter went out to the alumni a few days later. It began in a frankly advertising style. "Now, at last, an alumni fund drive you can respect," it said. "Support education, not administration. Give directly to the faculty member of your choice! No middlemen! No costly overhead! Every penny goes directly to faculty salaries and to immediate educational costs. Give today the faculty way!"

The letter went on to explain that every alumni class was being given a chance to adopt seven members of the faculty, each from a different department. Older classes, used to giving lots of money, got full professors; new, young classes got instructors; and so forth. The alumnus was invited to send a check to any one of his class's seven faculty members or jointly to all of them. If he had a favorite teacher outside the class's group, he could still earmark half the donation for him.

The administration sent its letter out shortly afterward. It asked the alumni to ignore the communication they had just had from a small lunatic fringe among the faculty, lest chaos ensue. "YOU OWE YOUR LOYALTY TO THE WHOLE UNIVERSITY," the letter went on, all in capitals. It explained that only the administration knew how to allocate funds, or make a ten-year projected budget. It pointed out that the faculty had been less than candid in claiming that under their plan you could contribute directly to the faculty member of your choice. There was a secret agreement (discovered by a vice-provost smuggled into the third illegal faculty meeting) that half the take would be pooled and then distributed equally among the entire faculty.

For several years, there was chaos. Some classes switched to the faculty plan at once, a few remained loyal to the Alumni Development Office, most were split. Really devoted alumni supported both fund drives. But about the fourth year it became clear that the faculty had won. Their fund drive was less systematic, but it was more interesting. The mimeographed faculty newsletters made much livelier reading than the printed reports the alumni were used to. Furthermore, no potential donor had ever had a course with anyone in the Development Office.

AN ACADEMIC FANTASY CONTINUED

But what really carried the day was the action of several classes in dividing themselves into sections, one for each class faculty member. By the fourth year it was commonplace to hear such boasts as "We're giving our guy a year in Rome when his sabbatical comes up" and "That's nothing. We're giving our guy a red convertible when his book comes out."

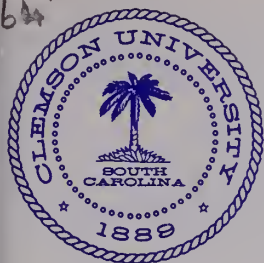
At the end of the fifth year, the Vice-President for Development resigned his job, enrolled as a graduate student, and now teaches biology at Syracuse University.

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PERSONAL MENTION

- J. J. Porter (Tex) has been elected by the Faculty Senate to be a member of the Senate's Committee on Committees.
- J. M. Wannamaker (IM) has been appointed to serve on the Faculty Senate Admissions and Scholarship Committee.
- Bruce D. Cloaninger (Fertilizer anal) appeared on the program of the Annual Meeting of the California Fertilizer Association in San Francisco, November 7-9.
- Lowery H. Davis (Ag. Educ.) has been appointed to the committee to revise the 1960 edition, Evaluative Criteria, National Study of Secondary School Evaluation.
- J. C. Fanning (Chem.) will spend the academic year 1966-67 as a Visiting Lecturer at the University of Illinois, Urbana. While at Illinois, Dr. Fanning will lecture and conduct research in inorganic chemistry.
- Hassan El-Behery, whose appointment was announced last August, has joined the staff of the School of Industrial Management and Textile Science this month as Visiting Lecturer of Textile Science. Dr. El-Behery received his Ph.D. at the University of Manchester and comes to Clemson from Alexandria, Egypt. He is married and has one daughter, and resides at the Clemson House.
- W. D. Trevillian (IM-TS) announces that on January 28-29 the School of Industrial Management and Textile Science will hold a seminar for 25 high school counselors. This seminar is made possible as a result of a grant from the J. E. Sirrine Textile Foundation.
- L. E. Hill (Econ) has published "Organized Labor's Challenge to Southeastern Industry," Atlanta Economic Review (December, 1965).
- The textbook "Fundamentals of Horticulture" co-authored by T. L. Senn (Hort) will be published in a Spanish language edition over the imprint of Compania Editorial Continental, S. A., of Mexico.

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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 11

February 1, 1966

FEB 1 1966

CALENDAR: FEBRUARY 1-19

- Feb. 1 T Sage Club Dinner meeting. 6:30, Clemson House.
- Feb. 1 T Regular meeting, Faculty Senate. 4:15 p.m., Room 1, Physics Building.
- Feb. 1 T Dr. Eric Stern (Kellogg Co.) will lecture on "Olefin Complexes of Palladium," at 4 p.m. in Room 118, Brackett Hall.
- Feb. 2 W Newcomers Club Bridge group will meet at the Clemson House in the Lounge at 8 p.m. Mrs. R. J. Prochaska will be the hostess.
- Feb. 2 W Laicos Club will meet at 8:15, Clemson House.
- Feb. 3-22 Exhibit: The Bregger Print Collection. Rudolph Lee Gallery, Arch.
- Feb. 3 Th Woman's Club will meet at 8 p.m. in the Clemson House Lounge. Husbands are invited. The Newcomers are sponsoring the Clemson Glee Club as the program.
- Feb. 4 F Mr. William D. Workman, Jr., (Asso. Editor, The State) will conduct a seminar "Water Policy and Development Needs of South Carolina," at 3 p.m., Room 101, Physics Bldg.
- Feb. 4-5 F-S Midwinter dances. Field House and Dining Hall.
- Feb. 4-5 F-S Annual Convention, S. C. Speech Association. Clemson House. Public welcome.
- Feb. 9 W Concert: Original Piano Quartet. Field House, 8 p.m.
- Feb. 9 W Graduate wives will meet at 8 p.m., Clemson House.
- Feb. 11 F Dr. Arthur W. Combs, Professor of Education and Psychology, College of Education, University of Florida, "Removing Barriers to Learning," Chemistry Auditorium, 8 p.m.
- Feb. 14 M Basketball: Clemson v. Wake Forest.
- Feb. 14 M Forum Club will meet at 7 p.m., Chemistry Building, Conference Room.
- Feb. 15 T Adult Education Classes, P.M.
- Feb. 15 T Fellowship Club will meet at the Clemson House at 6:30 p.m.
- Feb. 16 W Laicos Club will meet at 8:15 p.m., Clemson House.
- Feb. 16 W Newcomers Club Bridge Group will meet at the Clemson House in the Lounge at 8 p.m.
- Feb. 17 Th National Players present "Romeo and Juliet." Tillman Auditorium, 8 p.m.

CALENDAR CORRECTION IN DATES AND DATA

The left page of the February calendar section of Dates and Data was inadvertently omitted by the printer during the press run, and the left page of the March calendar was incorrectly substituted. Events actually scheduled in March 1966 are also shown incorrectly on Mondays, Tuesdays and Wednesdays in the February calendar.

You may correct your copy of Dates and Data by substituting the page below for the left page of the February 1966 calendar.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY
		¹ Basketball-at Wake Forest; Clemson Night	²
⁶	⁷	⁸	⁹ Concert-Orig Piano Quartet at Fld House
¹³	¹⁴ Basketball-Wake Forest	¹⁵ Stu elects period begins; Adult Ed Cent	¹⁶
²⁰	²¹	²² Basketball-Ga Tech; Adult Educ Center	²³
²⁷	²⁸ Prelim repts due		

ENROLLMENT

The current enrollment of 4901 is the highest second semester enrollment in the history of the institution and is 533 or 12 per cent higher than the 4368 enrolled second semester 1964-1965. The final registration figure should be approximately 4905. Even though 202 students were graduated in December, the second semester figure is only 123 less than the 5024 enrolled first semester.

ENROLLMENT

Second Semester 1965 - 1966

	Men	Women	Total
New Students (High School)	34	2	36
New Students (Transfer)	39	26	65
New Students (Graduate)	10	5	15
Former Students Returning	190	20	210
Continuing Students	4267	308	4575
Total	4540	361	4901

TEACHERS AND TEACHING: NOTES ON SOME CURRENT LITERATURE

--J. R. Killian has an article in the December Atlantic, "Teaching is better than ever." He believes the texts are better, teachers are better, procedures are better.

--Time magazine has an article on the growth of NY State University (Dec. 10); the presidents of Duke, Tulane, Emory and Vanderbilt (Dec. 17); and a Clemson researcher-graduate student (Jan. 21).

--U. S. News and World Report (Jan. 3) has a sensible article on the admissions picture for 1966.

--Teachers College Record (Nov.) has an article "Staffing our Colleges." The article claims a shortage of 350,000 Ph.D.s and wants more masters people to be employed.

--W. T. O'Hara is the author of a book, President Kennedy and Education (Teachers College, Columbia). Discusses what Kennedy did and what he hoped to do.

--Russell Kirk's The Intemperate Professor (LSU Press) is an attack on teachers, schools and foundations by a member of the far Right. Christopher Jencks in the New Republic (Oct. 23) has a piece dedicated to the "sterile classicism" of the campus. He and Kirk are not of the same political persuasion.

--Jeffrey Hart has written a book titled A Decade of Modern Conservatism which was reprinted as a special supplement in the November 30 National Review. The chapter on conservatism on the campus reviews the familiar Buckley arguments that the colleges are overwhelmingly stocked with liberal teachers but goes on to chide the conservative movement for letting the academic world go by default.

SPEECH-DRAMA TEACHER TO JOIN ENGLISH FACULTY

Corinne Holt Rickert Sawyer (Mrs. Hugh A.) will join the English faculty in August, 1966 as an assistant professor. Her specializations are in speech and drama.

Dr. Sawyer has the B.A. (Summa Cum Laude) and the M.A. degrees from the University of Minnesota. Her doctorate is from the Shakespeare Institute, University of Birmingham (England). She has had sixteen years of college teaching experience, including one year at Minnesota, three years at the University of Miami, four years with the University of Maryland overseas division, and eight years with East Carolina College. Her publications include one book (John Darrell: Minister and Exorcist, U. of Fla. Press, 1962) and a number of articles and radio and TV scripts.

She was a director of TV programs for WTVJ in Miami and is currently a script writer for WNCN-TV, Greenville, N. C.

Dr. Sawyer is a member of Phi Beta Kappa and other professional societies.

IM-TS SCHOOL ANNOUNCES SUMMER SCHEDULE OF PROFESSIONAL DEVELOPMENT COURSES

The School of Industrial Management - Textile Science has just announced its 1966 summer program of professional development courses. The 1966 series will be the ninth for the school. To date, 638 industrialists have completed a professional development course.

Courses to be offered in 1966 include:

May 23 through 27

P. D. 96 - Color Measurement Seminar

May 30 through June 3

P. D. 22 - Introduction to Textile Manufacturing, Dyeing, and Finishing

May 30 through June 10

P. D. 25 - Yarn Manufacturing
P. D. 41 - Methods Analysis and Time Study
P. D. 43 - Basic Textile Chemistry
P. D. 47 - Quality Control
P. D. 84 - Technical Report Writing and Communications

June 20 through 24

P. D. 79 - Graduate Seminar in Industrial Administration (Session 1)

June 20 through July 1

P. D. 25 - Yarn Manufacturing (A repeat of May 30-June 10)
P. D. 38 - Supervisor Development
P. D. 41 - Methods Analysis and Time Study (A repeat of May 30-June 10)
P. D. 44 - Advanced Textile Chemistry
P. D. 56 - Weaving: Fabric Design and Development

June 27 through July 1

P. D. 79 - Graduate Seminar in Industrial Administration (Session 2)

FRENCH INSTRUCTOR TO JOIN FACULTY

James H. Monroe of Clemson will join the Modern Language faculty in August, 1966 as an instructor in French. He has the B.S. degree from Clemson, the M.A. from the University of Georgia, and during 1963-64 was a student at the Army Language School. He has traveled in Germany and France and attended a six-week language seminar at the Sorbonne. While at the University of Georgia he served as a teaching assistant.

Mr. Monroe is married to the former Margaret Wages and they have two children.

Minutes of the Faculty Senate
January 13, 1966

The Faculty Senate met on January 13 at 4:15 p.m. in Room I of the Physics Building, President J. M. Stepp presiding. After the minutes of the preceding meeting had been approved, it was announced that a public meeting would be held at the Y.M.C.A. on January 19 to determine community interest in the formation of a funeral society.

Recommendations and resolutions postponed from the December meeting were considered. Dr. A. T. Hind moved the acceptance of an amended recommendation to reduce the possibility of continued enrollment for students unlikely to meet graduation requirements. Included was a suggestion that GPR requirements for continuing enrollment be gradually increased. Dr. Stepp presented data from the Registrar's office to show the number of students that would be affected by .1 and .2 increases in enrollment requirements. He stressed the importance of setting the increases no higher than necessary to permit a reasonable possibility of graduation. The motion passed.

Dr. H. G. Lefort introduced a revised Policy Committee recommendation that in addition to existing public relations programs "a policy be established to encourage the use of all appropriate means to promote Clemson University." The recommendation suggested specifically placing and keeping on sale at the University Bookstore and other suitable outlets (1) books associated with the history of Clemson, (2) books and other publications of general interest by faculty members, (3) porcelain, engraved note paper, and etchings of promotional value. After an amendment to limit the scope of the recommendation had failed, the committee's recommendation was approved.

Dr. J. T. Long requested action on a resolution, introduced at the December meeting, to amend the Constitution and By-Laws of the Academic Faculty and Faculty Senate. The amendments were designed (1) to make the dates in the Constitution and By-Laws compatible with the new University calendar and (2) to expedite Senate representation for the faculty of a new school or college. Professor John Wannamaker pointed out that further revisions might be required to permit representation of the Sumter branch. It was agreed that the relationship of the Sumter branch to the Faculty Senate should be explored at a later time, and Dr. Long's resolution was passed.

There being no new business, the meeting was adjourned at 5:20 p.m.

Respectfully submitted,

Herman M. Felder, Jr.
Secretary

Absent:

Henry, L. L.
Reep, R.
Richardson, J. L.
Steadman, M. S.
Winter, J. P.

ACADEMIC FREEDOM AS SEEN BY AN ATLANTA EDITOR

Mr. Eugene Patterson, Editor of the Atlanta Constitution, is author of the following item which first appeared in the November 16 edition of his newspaper.

WINDS BLOW FREE IN UNIVERSITIES

"Man is but a reed, the weakest in nature," said Pascal, "but he is a thinking reed." The winds that rattle the reeds in Georgia have not always been kind to thought. But they are blowing fair for free academic inquiry now, and this may well be the most important value added after all the spending on new college buildings is done. The one priceless asset will have turned out to be free.

Emory University President Sanford Atwood would have been quite happy, no doubt, if his students had chosen not to invite the old socialist Norman Thomas to speak at a Viet Nam teach-in on the very eve of Emory's \$25 million fund drive kickoff.

But they did invite Thomas, and he did speak his pacifist mind freely at Emory (so did I, in opposition to Thomas), and President Atwood saw to it that freedom of expression was permitted. Result: His students' minds were stretched and their critical faculties heightened.

In the same week, he must have made an inward groan when an Emory professor of Bible, Dr. Thomas Altizer, made a splash with his "God is dead" theory. Neither President Atwood nor his dean of theology seemed quite sure what Altizer was talking about but both of them publicly and stoutly defended his right of free inquiry and expression in the face of a public storm.

Thus President Atwood has done Georgians the enormous intellectual courtesy of assuming they know Emory's buildings would be emptied of integrity, and his faculty shorn of worth, if he went moneyhunting at the expense of academic freedom. By his acts he has shown, in fact, what he wants to build--an excellent university putting uninhibited inquiry that is basic to learning always ahead of material convenience, and at the most inconvenient time. In return he will find, I believe, a generous response.

In the University System of Georgia the same clean winds have freshened. Chancellor George Simpson need only look back to his native Chapel Hill for reassurance about his own insistence on academic freedom. There, the University of North Carolina is only now beginning to back out of the wreckage of its once-distinguished reputation as a center of free inquiry. One damaging measure--the "speaker ban"--was slipped through the state's Legislature in "anti-Communist" wrappings. Before the thing could be ditched last week it had badly bruised if not crippled the ranking of the university at Chapel Hill.

Georgia has grown beyond that. The System's chancellor and regents know better. As a matter of fact, this was the year when this state's professors came into full force as contributors to public thought. They rose up against a foolish and insulting loyalty oath and got it altered to acceptable form. From a group at the university in Athens came the most instructive paper yet contributed to the advocacy of capital punishment reform.

With segregation a dead letter in public and private institutions alike now, the winds are fair, releasing Georgia's intellectual energies from all the old moorings of fear and lifting them free. That freedom is a bigger story than all the new dormitories, and it will shelter our children better."

GRADUATION REQUIREMENT FOR STUDENTS FIRST ADMITTED PRIOR TO OCTOBER, 1956

The Educational Council, following a study by the Registrar's Office, has established the following as a part of the graduation requirement for any student who was first admitted to Clemson prior to October, 1956.

"Any student who was admitted to Clemson prior to September, 1956, who has taken at least 200 credit hours of work with a cumulative GPR of at least 1.80 and whose GPR on the final 100 hours is at least 2.00, will, if otherwise qualified, be considered a candidate for graduation."

The purpose of the new policy statement is to clarify the status of those students who were admitted prior to the ungrading of admissions standards and other requirements, and who have continued to work toward an undergraduate degree.

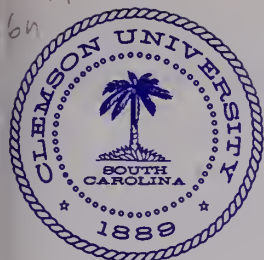
GIFTS AND GRANTS

- From Dow Chemical Company to Chemical Engineering, \$500 for unrestricted educational uses.
- From the Appalachian Area program funds of the federal government, \$200,000 to assist in the construction of an engineering health-related research building.
- From the Alumni Loyalty Fund to Dr. May Ringold (hist.) \$900 to assist in the publication of her book on Confederate History. Publication will be by the University of Georgia Press.
- From the Office of Education to the University, \$429,218 toward construction costs of the library; \$269,385 toward construction costs of the Chemistry building; and \$471,664 toward construction costs of the Sumter campus.

PERSONAL MENTION

- R. E. Currin (Agron) has been granted leave to do graduate study at the University of Georgia.
- Eugenia Bartmess (Math) has joined the office of Registration and Admissions (as of January 1) and will devote about two-thirds of her time to duties as assistant to the Registrar. She will also continue as an Instructor in Mathematics.
- L. G. Rich (engr) served on an advisory panel for the U.S. Public Health Service in Washington, January 21.
- B. J. Gossett, F. J. Howard, Jr., and L. R. Reinhardt (Agron) presented papers at the January 18-20 meeting of the Southern Weed Conference in Jacksonville, Florida.
- Eugene Park (Math) has been appointed to a three-year term on the University Athletic Council, replacing T. W. Morgan who has retired from university employment due to age.
- Tah-Teh Yang, (M.E.) and S. G. Nicholas (Engr.) attended the Low-median Speed Aeronautical Research Seminar sponsored by the U. S. Army Research Office--Durham, Jan. 12-13. T. T. Yang presented a paper on "Splitter Effect In Conical Diffusers."

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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 12

February 15, 1966

CALENDAR: FEBRUARY 15-MARCH 4

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|-----------------|-----|---|
| Feb. 15 | T | Research Faculty Council, Regular meeting. Room 1, Physics, 4 p.m. |
| Feb. 15 | T | Adult Education Classes, P.M. |
| Feb. 15 | T | Fellowship Club will meet at the Clemson House at 6:30 p.m. |
| Feb. 15-22 | | Exhibition--The Bregger Print Collection. Lee Gallery, Arch. |
| Feb. 16 | W | Laicos Club will meet at 8:15 p.m., Clemson House. |
| Feb. 16 | W | Newcomers Club Bridge Group will meet at the Clemson House in the Lounge at 8 p.m. |
| Feb. 17 | Th | National Players present "Romeo and Juliet." Tillman Auditorium, 8 p.m. |
| Feb. 10, 17, 24 | | Lectures in quantitative economic analysis. Phi Psi Room. Sirrine Hall, 3:30 p.m. Speakers will be J. L. Murphy (Econ., UNC), R. B. DesJardins (Bus. Adm., UNC), S. O. Park and N. K. Kwak (IM, Clemson). |
| Feb. 21 | M | Gamma Sigma Delta Luncheon. Noon, Auditorium of the Food Industries Bldg. Virginia S. Hardie, Director of the Counseling Center, will speak. |
| Feb. 21 | M | The second lecture in the "Technology and Design" sequence in the School of Architecture will feature Mr. William M. C. Lam, illumination consultant of Cambridge, Mass. 8 p.m. Arch. Auditorium. |
| Feb. 22 | T | Basketball: Clemson v. Ga. Tech. |
| Feb. 22-23 | T-W | Preston C. Hammer (Prof. of Mathematics and Head of the Computer Science Department, Pennsylvania State University) will lecture. At 4 p.m. on Feb. 22 in Physics Auditorium 101, his subject will be "Topology of Convexity." Prior to this lecture, at 3:30 p.m., a coffee hour will be held in Room 0-105 of the Math-English Bldg. At 7:30 p.m. on February 22 Dr. Hammer will lecture on "Computing and Mathematics" in Physics Auditorium 201. On Wednesday, Feb. 23, he will talk on "Set-Valued Functions of Sets" in Physics Aud. 101 3 p.m. |
| Feb. 23 | W | Organizational meeting for Community Funeral Society. 8 p.m., YMCA. |
| Feb. 23 | W | Graduate Wives, 8 p.m., Clemson House. |
| Feb. 25-26 | F-S | Contemporary Film Series, "Raisin in the Sun", Civil Engr. Auditorium. |

CALENDAR: FEBRUARY 15-MARCH 4 CONTINUED

Feb. 28	M	Forum Club, 7 p.m., Chem. Bldg. Conf. Room.
Feb. 28	M	Concert: The Lander Chorus. Tillman Auditorium, 7:30 p.m.
Mar. 1	T	Sage Club dinner meeting. Clemson House, 6:30 p.m.
Mar. 1	T	Regular meeting, Faculty Senate. Room 1, Physics, 4:15 p.m.
Mar. 2	W	Earnest T. Smerdon (Director of the Water Resources Institute at Texas A&M University) will lecture on, "The Importance of Evaporation to Water Supplies," at 7:30 p.m., Civil Engineering Auditorium.
Mar. 3	Th	Woman's Club, Clemson House, 3:30 p.m.
Mar. 3	Th	D. B. Copley (Chem.--UNC) will lecture on "Light Scattering by Sodium Vanadate Systems." 118 Brackett Hall, 4 p.m.
Mar. 3	Th	C. S. Reed (V-P, Duke Power) will speak on "Times are Changing." Sirrine Auditorium, 2 p.m.
Mar. 4	F	Concert: Chicago Symphony. Field House, 8 p.m.

ANNUAL RE-WORK PERIOD - TRAVELERS INSURANCE GROUP

The annual re-work period for the Travelers Insurance Group will be March 1-31, 1966. Company representatives will be on campus during this period and will be available to explain the Travelers plans and coverage to any interested employee. Visits will be made to any department desiring such and at times most convenient to the respective departments.

Any present member desiring to make changes to fit their individual needs may do so at this time. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time. Anyone who desires to obtain this type of insurance coverage must make application during their first 31 days of employment, or during this rework period.

If you wish to make an appointment with one of the representatives, you may do so by contacting Mr. W. J. Stamey, Personnel Division, Extension 365.

ADDITION TO MATHEMATICS FACULTY

James Allen Reneke of Newberry, S. C. will join the faculty in mathematics in August as an assistant professor. He has the B.A. and M.A. degrees from the University of Florida, and the Ph.D. from the University of North Carolina. He has had seven years of college teaching experience and is currently on the faculty at Newberry College.

Dr. Reneke is married to the former Ellen Helga Samann of Lake Wales, Florida. They have two children.

R. F. POOLE ALUMNI SCHOLARS, 1965-66.

The top scholarships awarded to undergraduates at Clemson are the sixteen offered by the Alumni Loyalty Fund and known as the R. F. Poole Alumni Scholarships. Awarded without regard to any factor except promise of outstanding academic ability, these scholarships are now valued at \$750 each per academic year.

The sixteen R. F. Poole Scholars for 1965-66, their home addresses, classes, major fields, and grade point ratios, are:

<u>Name</u>	<u>Address</u>	<u>Class</u>	<u>Major</u>	<u>GPR</u>
Frank Adams Axson	Seneca	Junior	Biol	3.7
Elmer Earl Burch	Spartanburg	Senior	Math	3.1
Charles David Cooper	Winter Park, Fla.	Freshman	ChE	3.7
Marion Rollins DeWitt, Jr.	Darlington	Freshman	ChE	3.7
David Boyce Greene	Greenville	Soph.	Phys	3.8
William Furman Hamilton	Clemson	Senior	Phys	3.7
Eugene Glenn Huff *	Whitmire	Senior	EE	3.9
Sherry Ann McKee	Greenwood	Soph.	Math	3.2
William Clarence Maddox	Honea Path	Junior	Phys	3.8
Michael Jones Maxwell	Greenville	Junior	ME	3.3
Richard Wayne Rice	Greenwood	Soph.	ChE	3.9
Frederick Eugene Riewe	Clemson	Senior	Phys	3.7
John Kelley Segars	Bishopville	Freshman	Phys	4.0
Donald Winburn Shelley	Hattiesburg, Miss.	Soph.	Pre-Med	4.0
Daniel Charles Stanzione	Hartsville	Junior	EE	3.0
Charles Garrison Shirley, Jr.	Piedmont	Freshman	Phys	4.0

* Eugene Glenn Huff was graduated from Clemson University on December 18, 1965, after having attended for seven semesters and one summer session.

DELTA SIGMA RHO-TAU KAPPA ALPHA TO ESTABLISH CHAPTER AT CLEMSON

The National Council of Delta Sigma Rho-Tau Kappa Alpha at its New York meeting in December voted to grant a charter of the Society to establish a Chapter at Clemson. The Society and fraternity is devoted to the teaching of speech in school and colleges and to research in the speech areas.

The Regional Governor of the Society for the Southeast is Professor J. C. Wetherby, Duke University. He will be the installing officer when the Clemson chapter officially receives its charter this spring.

SUMMER LANGUAGE COURSES FOR GRADUATE STUDENTS.

French 151 and/or German 151 may be offered during the 1966 Summer Session. Those department heads who have not already done so should inform the Graduate Office of the numbers of graduate students who are interested.

GRADUATE RECORD EXAMINATIONS

On Tuesday, March 1, the Graduate Record Examinations will be given all students who will be candidates for the bachelor's degree in May 1966, August 1966, and December 1966.

These examinations are given under the Institutional Plan whereby the University pays only a nominal sum for materials, scoring, and reporting. In return, the institution must furnish all supervisory and proctorial services.

Students who took the Graduate Record Examinations in November at University expense are not eligible for this examination.

The following faculty members have been designated by their Deans to administer these tests in their respective colleges or schools:

Agriculture and Biological Sciences	Mr. V. A. Boyd
Architecture	Mr. V. S. Hodges
Arts and Sciences	Dr. B. R. Skelton
Education	Dr. L. H. Davis
Engineering	Mr. S. M. Watson
Industrial Management and Textile Science	Mr. J. L. Richardson

ALGERNON SYDNEY SULLIVAN AWARD

The Honors and Awards Committee invites all faculty and staff members to submit nominations for the non-student recipient of this year's Sullivan Award, which will be made on Honors and Awards Day, April 20, 1966. The award is described on page 76 of the 1964-65 University catalog.

The nominations should be made by March 15 and sent directly to C. B. Green, 28 Tillman Hall.

Non-student recipients of the Sullivan Award for the past ten years have been:

1956	P. B. Holtzendorff, Jr.
1957	S. J. L. Crouch
1958	A. B. Bryan
1959	Helen Coker
1960	C. C. Bennett
1961	J. D. Lane
1962	B. E. Goodale
1963	R. M. Cooper
1964	F. J. Jervy
1965	C. A. Arrington

RESEARCH FACULTY COUNCIL MINUTES

The Research Faculty Council met January 18 at 4:00 p.m. in Room 1, Physics Building with Chairman W. C. Godley presiding.

Minutes of the December meeting were approved.

Dr. Godley gave a summary of the Clemson University planned building program. Information pertaining to the Patent Policy will be presented at the February meeting.

Dr. T. T. Yang and Dr. U. S. Jones reported on matters pertaining to the Policy Committee.

Dr. U. S. Jones recommended that attendance records be incorporated as a part of the Research Faculty Council Minutes. Absentees will be indicated hereafter.

Dr. U. S. Jones reported on the Constitutional study regarding Research Council Membership, Section 1 of Article II of the Bylaws. Page 62 states in part:

"Members of the Research Faculty Council shall be elected for three-year terms by members of the research faculty, voting by colleges or schools. Election shall be by secret ballot." Dr. Jones recommended that no change was necessary. However, all bodies are urged to follow the outlined procedure.

Dr. T. T. Yang reported on summer employment for nine-month appointed faculty members participating in research work. Dr. Yang stated that a government sponsored research project supports work for two or three summer months. Since government employees are given one month's vacation each year, the full-time worker is considered to work eleven months. Therefore, the nine month employee secures work for only two summer months. The committee is continuing the study of this problem and will make recommendations at the February meeting.

Dr. J. B. Pitner reported for the Personnel Relations Committee. The subject areas being studied are

- (a) pay-scale flexibility for graduate and undergraduate students so as to reflect the ability of the worker;
- (b) recognition of research and technical assistants by using a grade or scale system whereby experience and ability would advance the worker by grade levels; and,
- (c) basic safety code for research activities guarding against some of the existing hazards.

Dr. R. L. Edwards, Chairman of the Ad Hoc Committee stated that because of the change in the University Calendar year, changes were needed in the constitution to effect a continuous working Research Faculty Council. A final report will be presented at a later date.

Members Absent:
A. E. Schwartz
E. S. Olson
A. L. Shewfelt

Respectfully submitted,
Edward S. Olson, Secretary

BRIEF NOTES FROM THE STATE AND LAND GRANT UNIVERSITIES NEWSLETTER.

Ohio Board of Regents has approved new doctoral programs in business, physics, and applied physiology for Kent State University, making a total of nine approved doctoral fields....Manasseh Cutler Hall, main administration building at Ohio University, has been designated a National Historic Landmark by the Department of Interior. Begun in 1816 and completed in 1819, it is said to be the oldest college building in the "Northwest Territory"....Wayne State University has established the Clarence B. Hilberry Memorial Fund as a student aid fund in memory of the late President-emeritus of the University. A memorial service for Dr. Hilberry was held at Wayne on January 19....On January 27 University of Georgia celebrates the 181st anniversary of its "charter" from the Georgia Legislature, in 1785, by displaying the original charter on display in the University library....Florida State University Foundation has received a \$60,000 gift from Edward Ball, president of the St. Joe Paper Company, for the purchase of books for the library of the new F.S.U. College of Law which will open next fall....University of Florida will dedicate a new \$1.5 million College of Architecture and Fine Arts complex on February 5....The Atomic Energy Commission has announced the establishment of a Rare-Earth Information Center at the AEC Ames, Iowa, Laboratory. The Center will serve as an international focal point for information of this group of 15 metals formed as by-products during the irradiation of nuclear fuels of great interest in research aimed at understanding the fundamental nature of matter....National Science Foundation has announced that, beginning April 1, it will award research grants for up to five years, rather than restrict such grants, as it has in the past, to no more than three years. Called Continuing Research Grants, the new awards will be made to scientists whose records of "outstanding accomplishment" seem to merit the longer funding term. However, in each case, the initial award will be for two years, with subsequent years funded on a year-to-year basis....The Office of Civil Defense has awarded University of Georgia a \$230,000 contract for continuing community fallout shelter occupancy tests in 1966....The John A. Hartford Foundation of New York City has awarded University of Wisconsin \$160,000 to support research into the causes of respiratory disease in premature infants....Pennsylvania State University has established an Institute for the Arts and the Humanistic Studies to serve as a focal point for research in the arts and humanities. It is located administratively as a unit within the PSU Division of Intercollegiate Programs and Facilities in the Office of the Vice President for Research and will serve to "develop relationships" with the newly established Federal Council on the Arts and Humanities....National Science Foundation has given University of Missouri a grant of \$160,030 for a program to improve high-school physics instruction in Missouri....Low bids totalling \$12,290,000 were submitted recently for construction of a new Indiana University central library on the Bloomington campus. The new facility will house 100,000 volumes for undergraduate use, 200,000 for general use, and more than 1.5 million in the stacks...."What is a University?" will be the theme of the "World Problems" course in the College of Arts and Sciences, University of Vermont, during spring semester. It will include the history of higher education, history and structure of University of Vermont, and attention to ways in which it hinders or facilitates instruction of students....Freuhauf Corporation has given \$100,000 for the new University of Michigan Highway Safety Research Institute, recently established through \$10 million in gifts from Ford, General Motors, and Automobile Manufacturers Association.

CLEMSON UNIVERSITY

ADMISSIONS AND REGISTRATION

Enrollment by Men and Women - Full Time and Part Time

Second Semester 1965 - 1966

Classification	Men			Women			Total		
	Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total
1st Sem. Freshman	962	11	973	78	5	83	1040	16	1056
2nd Sem. Freshman	474	3	477	66	6	72	540	9	549
Sub-Total	1436	14	1450	144	11	155	1580	25	1605
1st Sem. Sophomore	519	14	533	19	1	20	538	15	553
2nd Sem. Sophomore	539	10	549	38	5	43	577	15	592
Sub-Total	1058	24	1082	57	6	63	1115	30	1145
1st Sem. Junior	340	8	348	19	4	23	359	12	371
2nd Sem. Junior	403	2	405	21	2	23	424	4	428
Sub-Total	743	10	753	40	6	46	783	16	799
2nd Sem. Senior	489	11	500	17	2	19	506	13	519
2nd Sem. Senior	334	14	348	7	0	7	341	14	355
Sub-Total	823	25	848	24	2	26	847	27	874
1st Sem. Fifth Year	18	1	19	0	0	0	18	1	19
2nd Sem. Fifth Year	25	0	25	0	0	0	25	0	25
Sub-Total	43	1	44	0	0	0	43	1	44
Total	4103	74	4177	265	25	290	4378	89	4467
Graduate - Master's Level	137	106	243	20	18	38	157	124	281
Graduate - PhD Level	62	29	91	2	1	3	64	30	94
Postgraduates	9	14	23	1	14	15	10	28	38
Unclassified	1	5	6	2	14	16	3	19	22
Total	209	154	363	25	47	72	234	201	435
Grand Total	4312	228	4540	290	72	362	4612	290	4902

Enrollment by Courses and Student Classification
Second Semester 1965-1966

Major Course	Freshman (Semester)		Sophomore (Semester)		Junior (Semester)		Senior (Semester)		Total	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd		
Agriculture	2	1	0	1	1	0	0	0	5	
Agricultural Economics	8	3	3	10	8	8	9	4	53	
Agricultural Engineering	11	3	3	1	1	2	5	3	29	
Agronomy	6	6	2	2	3	8	5	1	33	
Animal Science	4	4	10	9	7	7	7	1	49	
Biology	19	16	15	15	12	7	19	8	111	
Dairy Science	7	2	3	3	2	2	3	6	28	
Entomology	2	1	2	2	0	2	0	1	10	
Food Science	2	2	0	4	2	0	2	2	14	
Forestry	30	10	15	14	8	8	16	11	112	
Horticulture	6	4	5	7	3	5	8	6	44	
Poultry Science	4	0	1	0	1	1	2	2	11	
Pre-Veterinary	14	9	13	9	4	1	0	0	50	
Sub-Total	115	61	72	77	52	51	76	45	549	
Architecture	22	60	37	47	23	18	29*	35*	271	
Building Construction	6	5	10	9	11	0	6**	6**	53	
Sub-Total	28	65	47	56	34	18	35	41	324	
Arts and Sciences	152	109	112	114	79	84	89	61	800	
Chemistry	11	18	6	7	4	7	9	5	67	
Geology	3	3	3	3	0	1	3	0	16	
Mathematics	42	21	14	24	10	9	14	13	147	
Medical Technology	5	7	5	2	4	3	1	0	27	
Nursing	14	19	0	0	0	0	0	0	33	
Physics	17	5	2	7	2	6	5	8	52	
Pre-Medicine	42	50	27	37	21	30	17	15	239	
Pre-Pharmacy	6	8	5	2	0	0	0	0	21	
Sub-Total	292	240	174	196	120	140	138	102	1402	
Agricultural Education	13	3	13	7	8	9	12	7	72	
Industrial Education	4	4	10	6	7	5	11	2	49	
Science Teaching	17	6	5	4	9	1	0	0	42	
Sub-Total	34	13	28	17	24	15	23	9	163	
Engineering	10	0	0	1	0	0	0	0	11	
Ceramic Engineering	26	6	13	13	5	5	13	6	87	
Chemical Engineering	61	16	14	27	2	18	21	25	184	
Civil Engineering	113	28	27	38	15	24	25	26	296	
Electrical Engineering	139	22	39	42	23	35	58	20	378	
Industrial Engineering	14	1	11	5	4	9	14	1	59	
Mechanical Engineering	87	23	24	35	31	32	35	19	286	
Metallurgical Engineering	2	0	0	4	0	1	0	2	9	
Sub-Total	452	96	128	165	80	124	166	99	1310	
Industrial Management	108	60	90	61	46	54	76	57	552	
Textile Chemistry	7	3	3	2	1	5	6	2	29	
Textile Management	0	0	0	6	13	18	14	19	70	
Textiles	20	11	11	11	1	1	0	0	55	
Textile Science	0	0	0	1	0	2	4	6	13	
Sub-Total	135	74	104	81	61	80	100	84	719	
Total	1056	549	553	592	371	428	538	380	4467	
					Part Time		Full Time			
Graduates - Master's Level					124		157		281	
Graduates - PhD Level					30		64		94	
Postgraduates					28		10		38	
Unclassified					19		3		22	
Total					201		234		435	
Grand Total										4902

*Includes 16 first semester and 21 second semester fifth-year students.

**Includes 3 first semester and 4 second semester fifth-year students.

TEACHING LOAD DATA

The first Semester, 1965-66 teaching load for S. C. state supported colleges is shown in the table below, expressed as a teacher-student ratio and arrived at by dividing full-time-equivalent teachers into full-time-equivalent student.

<u>School</u>	<u>F.T.E. Faculty</u>	<u>F.T.E. Students</u>	<u>Teacher-Student Ratio</u>
Citadel	126	2484	1:19.7
Clemson	301	5464	1:18.2
S. C. State	92	1480	1:16.1
U. S. C.	496	9106	1:18.4
Winthrop	<u>135</u>	<u>3028</u>	<u>1:22.4</u>
Totals	1150	21561	1:18.7

Teaching load data for the second semester will be available after April 17, the last day to withdraw from college without having grades recorded. Student enrollments for the second semester are much higher than was expected, and the teacher-student ratio will probably be about 1:18.5.

The number of FTE teachers and FTE students at Clemson during the current first semester and that of each of the past three years is:

<u>Year</u>	<u>FTE-Teachers</u>	<u>FTE-Students</u>
1965-66	301	5464
1964-65	289	5233
1963-64	273	5013
1962-63	268	4871

GIFTS AND GRANTS

--from the National Science Foundation to the University Graduate School, \$88,210 for support of graduate students in the sciences and in engineering.

--from the Architectural Foundation to the Architectural library, \$1,807.

--from the Clemson Alumni Loyalty Fund, effective July 1, 1966: to R. F. Poole Scholarships, \$10,800; to faculty development, \$12,500; to the Graduate School, \$10,000; to the Alumni undergraduate scholarship fund, \$2,400; to the Alumni professorship fund, \$7,500; to student government, \$1,500; to student organizations, \$4,500; to the Alumni office for publication of Alumni News, \$12,217; and to permanent endowment, \$15,723.

PERSONAL MENTION

- C. Q. Brown (Geol.) has resigned, effective August 15, 1966, to accept a position at East Carolina College.
- Clemson graduate students, teachers and researchers who attended and participated in the February 7-9 Jackson, Mississippi convention of the Association of Southern Agricultural Workers included E. B. Rogers, T. H. Garner, C. E. Hood, L. O. Drew, R. H. Ramsey, R. E. Williamson (AgEngr.), A. J. Kish (Meteorology), C. R. Lee, N. R. Page (AgChem.), A. D. Klosterboer, C. E. Bardsley, K. S. LeFleur, G. R. Craddock (Agron.), J. M. Rogers, J. J. Janzen, J. B. Adams, J. T. Lazar, R. W. Henningson (Dairy Sci.), Kathy Henderson, T. L. Senn, E. T. Sims, W. T. Ogle (Hort.), Fred Chapman, George von Tungeln, E. M. Corley, (AgEcon.), E. W. Donovan, M. A. Boone, B. D. Barnett, and D. E. Turk (Poultry Sci.) who presented research papers; S. C. Stribling (Ag Communic.-emeritus) who served as secretary-treasurer of the Association; C. P. Butler (USDA), Ruby Craven (H.Dem.), U. S. Jones (Agron.), and T. V. Wilson (AgEngr.) who served on the Board of Directors; W. H. Wiley (Adm.) who was chairman of the Association's Committee on Resolutions; Ruby Craven (H.Dem.) who was Chairman of the Home Economics Section; and J. T. Lazar (Dairy Sci.) who was secretary of the Dairy section.
- John H. Butler (Director of Bands) was elected President of the Southern Division of the College Band Directors National Association at the convention of that organization held on the campus of the University of Florida in January. At the same meeting Mr. Butler presented a paper on "Marching Band Music of the Past", and was the keynote speaker at the opening luncheon.
- J. H. Moore, J. D. Antrim, J. P. Rostron, A. E. Schwartz (CE) and three graduate students represented the university at the Highway Research Board meeting in Washington during the period January 16-20. Professors Schwartz and Rostron presented a paper on the use of nuclear gages for soil density determination.
- J. H. Couch (IEngr.) attended the American Foundrymen's Society meeting in Augusta, Georgia on January 20-21 and gave a report on the Education Foundation Scholarship Program.
- Officers for the recently formed Western South Carolina Chemical Engineers Club include C. E. Littlejohn as Vice-chairman and G. F. Meenaghan as Treasurer.
- President Edwards attended a meeting of the Directors of United Aid funds in New York City, February 8. He spoke at the Annual Extension Conference in Columbia on February 10 and at the Carolina's Ginners Association in Atlanta on February 14.
- J. Paul Uldrick (EM) presented a paper on "The Propulsion of Swimming Flexible Hydrofoils of Finite Thickness" at the David Taylor Model Basin, Dept. of Navy, in Washington, D. C., on February 10.
- A. J. Fear (English) has been elected president of the S. C. Speech Association.

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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 13

March 1, 1966

CALENDAR: MARCH 1-17

- March 1 T Sage Club dinner meeting. Clemson House, 6:30 p.m.
- March 1 T Regular meeting, Faculty Senate. Room 1, Physics, 4:15 p.m.
- March 2 W Earnest T. Smerdon (Director of the Water Resources Institute at Texas A&M University) will lecture on, "The Importance of Evaporation to Water Supplies," at 7:30 p.m., Civil Engineering Auditorium.
- March 2 W Newcomers Bridge Group, 8 p.m., Clemson House Lounge. Mrs. A. F. Sobczyk will be hostess.
- March 2 W Laicos Club, 8:15 p.m., Clemson House.
- March 2-18 Exhibit: Ninth Annual High School Art Exhibition. Lee Gallery, Architecture.
- March 3 Th Woman's Club, Clemson House, 3:30 p.m.
- March 3 Th D. B. Copley (Chem.--UNC) will lecture on "Light Scattering by Sodium Vanadate Systems." 118 Brackett Hall, 4 p.m.
- March 3 Th C. S. Reed (V-P, Duke Power) will speak on "Times are Changing." Sirrine Auditorium, 2 p.m.
- March 3 Th R. B. Harris (Phil-Relig) will present a slide lecture on "The Religion of the Hindus," concerning the arts, architecture, holy places and practices of Hinduism. 7:30 p.m., 200 Hardin Hall.
- March 3, 10, 17 Lectures in quantitative economic analysis. Phi Psi Room. Sirrine Hall, 3:30 p.m. Speakers will be J. L. Murphy (Econ., UNC), R. B. DesJardins (Bus. Adm., UNC), S. O. Park and N. K. Kwak (IM Clemson).
- March 4 F Concert: Chicago Symphony. Field House, 8 p.m.
- March 7 M Foreign Language Film, "The Forty-First." (Russian). 100 minutes. 7:30 p.m., Brackett Auditorium.
- March 7 M Constance Armitage will lecture on Japanese Art. 3 p.m., Arch. Aud.
- March 7, 8, 9 Gilbert & Sullivan's H.M.S. Pinafore. 8:15 p.m., Food Industries Auditorium.
- March 9 W Graduate Wives, 8 p.m., Clemson House.
- March 10 Th C. W. Shoppee (Chemistry--U. of Ga.) will lecture on "The Walden Retention." 4 p.m., 118 Brackett Hall.

CALENDAR CONTINUED

March 11-12 F-S Spring Dances. Dining Room.

March 14 M Forum Club, 7 p.m., Chem. Bldg. Conference Room.

March 15 T Fellowship Club, 6:30 p.m., Clemson House.

March 16 W Robert W. Holley (Chm., Biochemistry & Molecular Biology, Cornell) will conduct a seminar at 4 p.m. and will lecture at 8 p.m. in the P&A Auditorium. Winner of the 1965 Albert Lasher Award, Dr. Holley will speak on "Coding of Nucleic Acids." His lecture is sponsored by the College of Agriculture and Biological Sciences and the Society of Sigma Xi.

March 16 W Laicos Club, 8:15 p.m., Clemson House.

March 16 W Newcomers Bridge Group, 8 p.m., Clemson House Lounge.

March 17 Th Concert: Carlos Montoya, Guitarist. Field House, 8 p.m.

SOUTH CAROLINA RETIREMENT "BREAKPOINT" UNCHANGED

Announcement has been made by Mr. Tatum W. Gressette, Director, South Carolina Retirement System, that the contribution rates to the Retirement System will not be affected by the new Social Security maximum of \$6600. Contributions by members to State Retirement will continue at "four per cent of gross earnings in each calendar year up to \$4800, plus six per cent of any earnings in excess of \$4800."

The current formula for the maximum retirement allowance at age 65, effective since July 1, 1964, will also remain at "one per cent of the member's final average salary up to \$4800, plus 1½ per cent of the member's final average salary in excess of \$4800; this total to be multiplied by the number of years of creditable service at retirement."

To illustrate the payroll deductions now required by law for Social Security and State Retirement, let us assume that Employee X will earn \$7,200 in 1966, to be paid twelve checks of \$600 each. From January through August he would contribute 4.2% to Social Security and 4% to State Retirement. From September through November he would contribute 4.2% to Social Security and 6% to State Retirement. In December, he would contribute 6% to State Retirement, only. (In January 1967, a new cycle is scheduled to begin, with contributions of 4.4% to Social Security and 4% to State Retirement.)

SUMMER LANGUAGE COURSES FOR GRADUATE STUDENTS

French 151 and/or German 151 will be offered during the 1966 Summer Session if there is sufficient demand. Those department heads who have not already done so should inform the Graduate Office of the numbers of graduate students who are interested.

ANNUAL RE-WORK PERIOD - TRAVELERS INSURANCE GROUP

The annual re-work period for the Travelers Insurance Group will be March 1-31, 1966. Company representatives will be on campus during this period and will be available to explain the Travelers plans and coverage to any interested employee. Visits will be made to any department desiring such and at times most convenient to the respective departments.

Any present member desiring to make changes to fit their individual needs may do so at this time. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time. Anyone who desires to obtain this type of insurance coverage must make application during their first 31 days of employment, or during this rework period.

If you wish to make an appointment with one of the representatives, you may do so by contacting Mr. W. J. Stamey, Personnel Division, Extension 365.

MEDICARE ENROLLMENT DEADLINE MARCH 31

Each employee of Clemson University has been issued, through his supervisor, a memorandum on "Social Security Changes." One important change is the beginning of MEDICARE on July 1, 1966. (Contributions of 0.35 of 1% of gross earnings up to \$6600 in each calendar year began on January 1 to pay for the basic HOSPITAL insurance which will be provided for all eligible employees automatically at age 65.

Enrollment is required, however, for anyone who wishes to qualify for the supplemental MEDICAL insurance. Participation is voluntary and will cost \$3.00 per month at age 65, but not before July 1, 1966.

To secure this supplemental MEDICAL insurance at \$3.00 per month, an application must be made as follows:

(a) For anyone who reached age 65 before January 1, 1966, an application should be filed with a Social Security office before March 31, 1966.

(b) For anyone who will reach age 65 in 1966, or later, his "best" enrollment period will be the three months just before his sixty-fifth birthday. (Enrollment will be accepted when he becomes age 65, and during the three months thereafter, but coverage cannot begin until the month after he enrolls.)

(c) People who may be still working at age 65 must also meet the schedules above if they wish to take full advantage of this protection.

* * * * *

PERSONS WHO HAVE NEVER WORKED UNDER SOCIAL SECURITY MAY ALSO BE COVERED AT AGE 65, BUT THEY MUST APPLY FOR BASIC HOSPITAL INSURANCE AND/OR SUPPLEMENTAL MEDICAL INSURANCE, AND WILL NEED TO VISIT A SOCIAL SECURITY OFFICE TO MAKE APPLICATIONS.

Minutes of the Faculty Senate

February 1, 1966

The Faculty Senate met on February 1 at 4:15 in Room I of the Physics Building, Vice-President A. D. Lewis presiding. After the minutes of the preceding meeting had been approved, announcements were made as follows:

- (1) A community committee has been named to replace the Senate ad hoc committee on the formation of a funeral society.
- (2) Professor Eugene Park has been appointed to the Athletic Council.
- (3) The Athletic Council has approved an increase in the price of faculty season athletic tickets.
- (4) Mr. Otis Nelson, of the Y.M.C.A., will cooperate with faculty members who wish to engage in a program of physical conditioning.

Dr. J. G. Dinwiddie reviewed letters from Mr. Ralph Collins and Dr. J. H. Moore relating to the parking situation. Mr. Collins explained the work of the Parking and Traffic Control Committee and recommended that questions concerning traffic be directed to this group. Dr. Moore suggested that professional on-campus personnel might be helpful in long-range traffic planning. A motion was passed asking Dr. Moore's permission to forward his letter to Dean J. K. Williams.

Reports of standing committees were called for. Dr. C. A. Reed (Admissions and Scholarship) moved the adoption of a recommendation concerning commencement exercises and the printed program for May commencements. The recommendation suggested: (1) that no change be made in the present commencement procedure; (2) that a graphic arts consultant be asked to design an attractive format for the printed commencement program; (3) that the printed program include information on the academic background of Ph.D. graduates and a listing of the titles of their dissertations, biographical data on recipients of honorary degrees and retiring faculty, a brief statement on the history of Clemson University, and an explanation of the significance of academic colors. The motion passed.

Professor R. A. Banister announced that the JESSI program will not be offered at Clemson in 1966.

Committee chairmen were requested to make an effort to clear up all pending business before the March meeting.

The meeting was adjourned at 5:47 p.m.

Respectfully submitted,

Herman M. Felder, Jr.

Herman M. Felder, Jr., Secretary

Absent:

Ball, W. L.
Gunnin, E. A.
Hind, A. T.
Miller, J. E.
Packer, M. A.
Pinckney, Edward
Stepp, J. M.
Sullivan, J. R.

SELECTIVE SERVICE TO INITIATE CLASS STANDING-TEST SCORE CONSIDERATIONS FOR COLLEGE STUDENT DRAFTEES.

General Lewis Hershey, Director of Selective Service, has announced his intention to initiate, in time for use with respect to the coming academic year, a system similar to that used in the Korean War under which college student deferments were based primarily on either class standing or score in a nationwide test.

General Hershey's announcement DOES NOT mean that the cut-off points used during the Korean War will be applicable to the 1966-67 group of college students. For example, the national requirements for military manpower (less than in the Korean period at present) and the increased national security needs for individuals trained to the highest level of capacity, might mean that a larger proportion of the 1967 graduating class (perhaps the upper half with a test score of 75) will be deferrable for graduate study than was the case during the Korean conflict.

Presumably specific announcement of plans for handling the test, a schedule of test dates, etc., will be issued in the reasonably near future. It has been estimated that at least two months will be required from the time a contract for preparation of the test is let, and its availability for production in quantity for use by those desiring to take the test.

CLEMSON FOLKS HIT THE ROAD FOR CLEMSON NIGHT

The sixth annual Clemson Night Around the World was observed Tuesday evening, February 1 with excellent attendance reported despite the severe weather that hit the nation then. Staff and faculty were guests for many occasions to provide programs of interest to Alumni. President Edwards was in Alabama for a joint meeting of the Birmingham-Montgomery club, Vice President Cox travelled to Boston, Vice President Bryan was in Orlando and Coach Howard spoke to Clemson Alumni in Jacksonville. In South Carolina, Coach H. C. Greenfield was in Laurens, Dean Wallace Trevillian visited in Charleston and Dr. J. M. Stepp met with Greenwood County Alumni. Other meetings in the state were at Florence and in Marlboro County. Dean Harold Landrith met with Columbus-Fort Benning alumni, Dean Victor Hurst went to Philadelphia, Coaches Cone and Jordan met with Chattanooga Tigers, Dr. Hugh Macaulay flew to Chicago, Dr. Harold Cooledge visited in New Orleans, Coach Bill McLellan was at Winston Salem and Dr. J. H. Moore met with Clemson folks in Miami. Other Clemson Night meetings were well attended in Tampa, Los Angeles, Fort Leavenworth, Memphis, the Delaware Bay area, Baton Rouge, Redstone Arsenal, Houston --- Coach Jess Neeley, former Clemson head coach and athletic director now at Rice University was the speaker --- and Tifton, Georgia. The Alumni Association and Athletic Department provided various filmed programs for these occasions. The weather caused six cancellations --- Indianapolis, Baltimore, Richmond, Charlotte, Pittsburg and Washington --- but most of these clubs have already rescheduled their meetings.

NOTES ON SOME RECENT LITERATURE ABOUT HIGHER EDUCATION

--The February Fortune has an item saying that business careers are not attracting enough of the better students, especially from the liberal arts graduation lists.

--The Reporter (January 13) has a story about an Arkansas school teacher filing a court suit seeking repeal of a law preventing the teaching of "Darwinian ideas" in Arkansas public schools. Such a law is also on the books in Tennessee.

--David Mallery is author of the latest volume on student protest movements. Ferment on the Campus (Harper & Row, 1966) is a report of a study conducted by the College Student Personnel Institute.

--According to the Wall Street Journal (January 3), when students evaluate classes and teachers, the results can be brutal. One professor is described by a University of Washington student as fitting "his own description of an abyssal plain--dull, flat, monotonous and covered with sediments." Another termed a library course so bad she could get an "A" without opening a book or learning a thing. Yet the trend to rate courses is growing all over the country.

--An editorial in the December 11 issue of School and Society discusses teaching machines and ends with the statement that its position can be defended on the grounds that "no proof has been presented to show that the machine can do what it has been claimed as being capable of doing."

--The American Scholar (Winter, 1966) has an article on "The Intellectual in the University." The thesis is that faculty members must be participants in the business of examining the concepts underlying society.

--A lack of adequate textbooks is hampering the junior colleges, according to Publishers' Weekly (January 3). More and more of the large numbers of students entering the two year institutions require remedial aid. One college president speaking to the American Textbook Publishers Institute, told of "sub-sub-sub" reading groups and "sub-sub" grammar groups. Texts for this sort of student are not available. One educationalist made the somewhat questionable statement that committees be formed to write the new texts. A similar problem exists in junior college math.

--Publishers' Weekly also notes that only 789 new books were published in 1965--23% less than in 1964. The journal did not comment on quality.

--"Federal Money and University Research," an article in the January 21 Science, retraces the background of the political moves to spread research funds across a wider spectrum of states and universities and finds that the idea is not new. Harold Ickes had once stood pat on the idea that "public aid should go only to public institutions." The author suggests that we may be operating universities on the basis of a political subterfuge. The continual acceptance of project funds for hard science connected with the military is seriously unbalancing the instructional programs of large universities, he believes.

--B. J. Wattenberg and R. M. Scammon are authors of a facinating book, The U.S.A. (Doubleday, 1966). Based on a study of the 1960 census (and more recent data, when available) the authors offer views of society which do not always fit the accepted generalizations. Examples: There is nothing resembling a population explosion in the United States. Baptists have more children than Catholics. The drop-out problem in the schools is less than it has ever been. The Southern Negro has a better chance of obtaining some form of college training than the average English youth. One out of five college students are in school as the result of their own financial efforts.

REQUEST FOR ARTS & HUMANITIES FOUNDATION SET AT \$16 MILLION.

President Johnson's budget message requested an over-all appropriation of \$15.93 million for the National Foundation for the Arts and Humanities for fiscal 1967, an increase of \$12.2 million over \$6.7 million for the current year. Of this amount, \$13.9 million is "definite," with the remaining \$2 million accruing from the donation-matching provision in the legislation. With the matched \$2 million, this accounts for a total budget of \$17,930,000 for the Foundation for 1967.

Of the total budget, \$9.75 million is earmarked for the promotion of the arts (as compared with \$3.5 million in the budget for the current year) through grants to individual artists, institutions, organizations and states for projects and productions of "cultural significance."

For the humanities, fiscal '67 budget earmarks \$7 million, in comparison with \$3.5 million for the current year, for grants for the publication of scholarly works and programs to strengthen the humanities and for research, training, information dissemination, and the fostering of a "better understanding and appreciation of humanistic studies."

In addition, \$1 million (the same as last year) is requested for programs within the Office of Education for the promotion of the arts and humanities through instructional assistance to schools (\$500,000) and teacher training institutes (\$500,000). For the teacher training institutes, contracts are awarded to institutions of higher education. Institutes are expected to be funded for about 300 teachers and supervisors of the arts and humanities in 1967.

ADDITION TO FACULTY IN PHILOSOPHY

David F. White, Jr. of Richmond, Virginia will join the Arts and Sciences faculty in August as an assistant professor of Philosophy and Religion. He has the B.A. degree in chemistry and biology from Richmond College; the B.D. degree from Southern Baptist Seminary; and has completed all work for the doctorate in philosophy at Johns Hopkins.

His teaching experience includes eight years on the faculty at the University of Richmond and six years at the University of Virginia (adult education division). Additionally, he has served as pastor and/or supply preacher at several churches in Virginia and Maryland.

Mr. White is married to the former Jacquelyn Stone of Virginia Beach and they have six children.

ALGERNON SYDNEY SULLIVAN AWARD: NOMINATIONS DUE BY MARCH 15.

The Honors and Awards Committee invites all faculty and staff members to submit nominations for the non-student recipient of this year's Sullivan Award, which will be made on Honors and Awards Day, April 20, 1966. The award is described on page 76 of the 1964-65 University catalog.

The nominations should be made by March 15 and sent directly to C. B. Green, 28 Tillman Hall.

ITEMS FROM THE LAND-GRANT AND STATE UNIVERSITIES NEWSLETTER

Rutgers University recently received a \$3 million bequest for use for aid to incoming students who are prospective football players, under the will of Thomas T. Barr, class of 1913. President Mason W. Gross immediately made it clear that the bequest will make no change in athletics policies, at Rutgers, which awards scholarship aid on the basis of scholastic prowess or need, rather than on athletic ability...Florida State University recently broke ground for a 7-story, \$2 million addition to the Strozier library which will house a million additional books and raise seating capacity from 1,500 to 3,000...Kansas State University has been notified by its Congressman of a reservation of \$3 million in college housing loan funds, which will be used with \$850,000 in state funds to build a 9-story high-rise housing 627 students, plus additional food service facilities... According to Grapevine, published by M. M. Chambers at Indiana University: New York courts have held that a ban on nationally-affiliated fraternities adopted by State University of New York 12 years ago applies to chapters of fraternities at State University at Buffalo, which joined the State University in 1962. The court refused a declaratory judgment, saying the Trustees did not act arbitrarily in enforcing the ban when Buffalo joined the University System....The same letter also reports on a decision of the New York Appellate Court, holding that fraternity houses on land owned by Cornell are taxable, even though the University is not, because the fraternity uses the property for other than educational purposes (i.e., social) and does not qualify for tax exemption which is limited to corporations organized "exclusively" for educational purposes....Inauguration of Chancellor Dean E. McHenry of the University of California, Santa Cruz, will be on May 3. Guest speaker will be Lord Murray of Newhaven, formerly Sir Keith Murray, who was from 1944-53 Rector of Lincoln College, Oxford, and from 1953-63 chairman of the University Grants Committee....U.S. Senate recently unanimously confirmed the appointment of Robert C. Weaver as first Secretary, Department of Housing and Urban Development, and of Dr. Robert C. Wood of Massachusetts Institute of Technology, who has headed the Administration's study group on urban affairs, as Upper Secretary....Graduate School of Business Administration, University of Michigan, and the Netherlands School of Economics have announced a cooperative agreement for the establishment of a graduate program in business administration in Rotterdam. Agreement covers a 5-year period, and its cost will be financed by a Dutch organization, The Foundation for Business Administration, financed by grants from seven major corporations....President Francis H. Harn of University of Rhode Island and Dean William Veris of the College of Business Administration, University of Arizona, are members of a 4-member commission asked by the government of Saudi Arabia to assist in planning for establishment of King Abdulaziz University in Jiddah....University of Utah has announced inauguration of an international study program with appointment of Dr. David E. Miller as director of a new student center in Kiehl, Germany, which will arrange a full semester of academic work in cooperation with Christian-Albrechts University in Kiel. Dr. Miller is chairman of history at Utah....University of Idaho recently dedicated a \$1,650,000 classroom center which will be paid from bonds secured by receipts from student fees....University of Florida recently closed its doors on freshman applicants seeking admission in June or September of the coming academic year, except for individuals completing qualifications for university scholarships....Inauguration of Dr. Harry M. Philpott as President of Auburn University will be on Friday, May 13....According to news dispatches, University of Michigan has declined to give to a local draft board a transcript of grades for a student who specifically requested the transcript be withheld. E. R. Simmerman, Assistant to the Vice-President for Academic Affairs,

was quoted as saying that the University follows the general policy of not releasing information about a student without his consent, but that the student would then be responsible for the withholding if the draft board subsequently decided that the action constituted "obstructive procedure" and resulted in reclassification....An elective course "Traditions of the Orient" has been added to the basic University College Curriculum, Michigan State University. Intended to complement other courses in the humanities which have primarily a Western orientation, the course will be offered for the first time during the coming spring term. It was developed by the Asian Studies Center and University College....Faculty of the College of Liberal Arts, University of Minnesota, has approved awarding of the degree, bachelor of fine arts, for students majoring in the fine or performing arts: music, art, or theater.

GIFTS AND GRANTS

--From the Faculty Research and Development grant provided by the Alumni Loyalty Fund: A. S. Tombes (Ento), \$600 to help defray expenses to an invitational international symposium to be held in Prague in August, 1966. Dr. Tombes, who is currently holding a NSF postdoctoral fellowship for study at the University of Virginia, is particularly interested in the phenomenon of aestivation of insects.

--From Minnesota Mining and Manufacturing Company to engineering, \$1,000 for Student assistance.

--From the Faculty Research and Development grant provided by the Alumni Loyalty Fund: to E. M. Lander (Hist.), \$695 to help defray costs of publication of his manuscript on the "History of the Textile Industry in Antebellum South Carolina."

--From the Ansul Co., to Edisto Station \$500 for research on arsenic residues in cotton seed from plants treated with Ansar 529.

--From Savannah Sugar Refining Co. to Animal Science \$2,500 for research on feeding molasses to replacement beef heifers.

--From the Department of Health, Education, and Welfare (a Public Health Service Award) to Dr. D. E. Turk (Poultry Science), \$15,738 for research on the digestive tract disease and nutrient absorption.

--From the Socony Mobil Oil Co. to Pee Dee Station, \$2,500 for research on the effect of chemical treatments on tobacco transplants as measured by livability, plant uniformity at maturity, yield and value per acre.

--From Merck, Sharpe, and Dohme Research Laboratory, Division of Merck and Co., Inc. to Poultry Science, \$1380 for the evaluation of MK 930 against histomoniasis in turkeys.

--From the Southwest Potash Corp. to Horticulture, \$300 for studies on horticultural fertilization.

--From NSF to J. L. von Rosenberg (Chem.), \$34,000 for basic chemical research.

PERSONAL MENTION

--Herman Felder (Engl) spoke on Feb. 15 to the Winthrop Chapter of AAUP. His subject was "The Organization of Clemson's Faculty Senate and Its Role on the campus."

--D. W. Bradbury (ME) was one of a group of engineering educators invited by the NSF to a meeting in Washington, January 12-14, to participate in formulating long-range plans for summer workshops in the Mechanical design area.

--L. C. Wilcox (ME) participated in the National Cotton Council's 17th annual cotton research clinic at Pinehurst, N. C., February 7-10.

--Victor Hurst (Grad. School) is one of four Rutgers graduates to be honored at a ceremony at Rutgers on March 13. The ceremony is a part of Rutgers "Science Day."

--Dean Harlan E. McClure (Arch) participated in a National Architectural Accrediting Board visit to Texas Tech February 13-15. He also gave an address on design and productivity to the Civic Development Conference at the University of South Carolina at 1:30 p.m., February 21, and was on a National Architectural Accrediting Board visit to Pennsylvania State University, February 24 and 25.

--M. A. Packer (Sec. Ed.) was chairman of the Social Studies Committee of the Southern Association Evaluation team which visited Evans Junior High School in Spartanburg, Feb. 22, 23, 24.

--Hugh Macaulay (Econ.) was a member of a NSF fellowship selection panel in Washington, February 14-18. He was Honors Day speaker at Winthrop College on February 24.

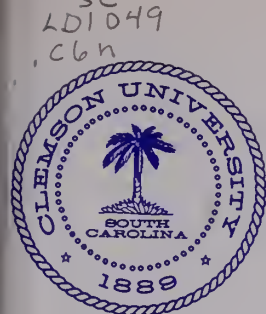
--A. J. McCutchen (CE) participated in the Construction Management Development Seminars at N. C. State, February 25-26.

--T. H. Garner (AgE) presented a paper "Instrumentation Techniques for Research in Agricultural Machinery" at the Southeast Region Meeting of ASAE in Jackson, Miss. Feb. 7-9. Dr. Garner also presented a paper for A. J. Kish (Meteorol.) "Meteorological Influence on Soil Crust Strength and Seedling Emergence." At the same meeting L. O. Drew (AgE) presented a paper "Mechanical Snapbean Harvesters for Beans Sold on the Fresh Market" and R. H. Ramsey (AgE) presented a paper "Soil Moisture Relationships for Hillside Gradients." R. E. Williamson (AgE) presented a paper "Development of Functional Requirements for Soil Incorporation Equipment" at the Sixth Meeting of the Weed Society of America in St. Louis, Feb. 8-10. Byron K. Webb (AgE) has returned to Clemson having completed requirements for the Ph.D. degree at North Carolina State University. He had been on leave-of-absence since February 1, 1963.

--H. F. Landrith (Ed.) served as consultant at the Seventh Annual Conference on Teaching the Social Studies at South Carolina State College.

--R. J. Amundson (Hist) has published "The Florida Land and Colonization Company," Florida Historical Quarterly (January, 1966).

--J.M. Stepp (Ag Econ) attended a meeting of the Water Development Coordinating Committee for Appalachia, Appalachian Regional Council, in Birmingham, Alabama, February 24 and 25, as adviser to South Carolina's representative on the Committee. He also represented the Clemson University Water Resources Research Institute at concurrent meetings of the Directors of such Institutes located in the 12 states that are associated with the Appalachian Regional Council.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 14

March 15, 1966

CALENDAR: MARCH 15-APRIL 3

- March 15 T Fellowship Club, 6:30 p.m., Clemson House.
- March 15-18 Exhibition: 9th Annual High School Art Exhibition. Lee Gallery, Architecture.
- March 15-31 Exhibition of illuminated manuscripts and incunabula from the collection of the Ferdinand Roten Galleries in Baltimore. Conference Room, English Building, 2-4 p.m. On Wednesday, March 16, at 3 p.m., M. A. Owings (English) will lecture on the exhibition.
- March 16 W Robert W. Holley (Chm., Biochemistry & Molecular Biology, Cornell) will conduct a seminar at 4 p.m. and will lecture at 8 p.m. in the P&A Auditorium. Winner of the 1965 Albert Lasher Award, Dr. Holley will speak on "Coding of Nucleic Acids." His lecture is sponsored by the College of Agriculture and Biological Sciences and the Society of Sigma Xi.
- March 16 W Laicos Club, 8:15 p.m., Clemson House.
- March 16 W Newcomers Bridge Group, 8 p.m., Clemson House Lounge.
- March 17 Th Concert: Carlos Montoya, Guitarist. Field House, 8 p.m.
- March 17, 24, 31 Lectures in quantitative economic analysis. Phi Psi Room. Sirrine Hall, 3:30 p.m. Speakers will be J. L. Murphy (Econ., UNC), R. B. DesJardins (Bus. Adm., UNC), S. O. Park and N. K. Kwak (IM Clemson).
- March 18 F Tennis: Clemson v. Wake Forest.
- March 19 S Track: Clemson v. UNC.
- March 20 S H. E. Vogel (Phys) will lecture on the Philosophy of Physics. 6:30 p.m., Clemson Baptist Church.
- March 21 M Dr. R. R. Renne, Director of Water Resource Research, Department of Interior, Washington, D. C. will lecture at a Seminar, 3:30 p.m., Civil Engineering Auditorium.
- March 21 M Robert Neuman (MIT staff in Architecture and Acoustics expert) will lecture. 8 p.m., Architectural Auditorium. Coffee served following the lecture.

CALENDAR CONTINUED

March 21	M	Modern Language Film Series presentation, "The Rest is Silence." 1959 German film, 106 minutes. 7:30 p.m., Brackett Hall Aud.
March 21	M	Baseball: Clemson v. VPI.
March 22	T	Baseball: Clemson v. VPI.
March 22	T	Track: Clemson v. Wake Forest.
March 22-23	T,W	David M. Smith (Silviculture, Yale U.) will offer three lectures in the Food Industries Auditorium. On Tuesday, March 22, two lectures, dealing with professional phases of forestry, will be at 10 a.m. and 1:30 p.m. on Tuesday. A Third Lecture, "Forestry in Megalopolis," will be at 10 a.m. on Wednesday.
March 23	W	Graduate wives, 8 p.m., Clemson House.
March 24	Th	W. C. Cobb (VP-Keyes Fibre Co.) will lecture on "Food Packaging--a Current Revolution." 2 p.m., Sistine Auditorium.
March 25	F	Golf: Clemson v. UNC.
March 25	F	Baseball: Clemson v. The Citadel.
March 26	S	Golf: Clemson v. Duke.
March 26	S	Baseball: Clemson v. The Citadel.
March 27	S	Eugene Mandrell (Psychologist, Anderson, S. C.) will lecture on the Philosophy of Psychology. 6:30 p.m., Clemson Baptist Church.
March 28	M	Modern Language Film Series Presentation, "Viridiana." 1961 Spanish film, 90 minutes. 7:30 p.m., Brackett Hall Auditorium.
March 28	M	Forum Club, 7 p.m., Chemistry Building Conference Room.
March 29	T	Concert: Clemson Concert Band. 8 p.m., Tillman Auditorium.
March 30	W	Laicos Club, 8:15 p.m., Clemson House.
March 30-April 16		Exhibition: Contemporary American Landscape Architecture. Lee Gallery, Architecture.
April 1-2	F-S	Contemporary Film Series, "Sawdust and Tinsel," Civil Engr. Aud.
April 2	S	Baseball: Clemson v. Duke.
April 2	S	Tennis: Clemson v. Virginia.
April 3	S	J. G. Dinwiddie (Chem) will lecture on the Philosophy of Chemistry. 6:30 p.m., Clemson Baptist Church.

CURRICULUM CHANGES

The curriculum changes and additions noted below have been approved by the University Curriculum Committee and the Educational Council, and will be effective in May, 1966.

1. In Agronomy:

--Add Agronomy 310,* Forage and Pasture Crops (3 cr., 3 and 0), to replace Agron 306.

--Add Agron 312,* Forage Crops Laboratory (1 cr., 0 and 3), to replace Agron 401.

--Add Agron 410,* Cotton and Other Fiber Crops (2 cr., 2 and 0), to replace Agron 409.

--Add Agron 411,* Grain Crops (2 cr., 2 and 0).

--Add Agron 412,* Tobacco and Special Use Crops (2 cr., 2 and 0).

--Change title of Agron.308 from Physical and Chemical Edaphology to Soil and Plant Analysis.

--Delete Hort 468 as a required subject in the Production Technology option of the Agronomy curriculum.

II. In Mathematics:

Add Math 386, Differential Equations (4 cr., 4 & 0), as an honors course. This course is a redesign of old Math 386, which it will replace. The new course will be consistent with new engineering requirements.

III. In Industrial Management:

Sophomore Year

--** Physics 122 to be substituted for Physics 201 (Retain Physics Lab 203)

--** Physics 221 to be substituted for Physics 202

--** Physics 223 (lab) to be substituted for Physics 204 (lab)

Junior Year

--Designation of IM 301, Cost Accounting, to be changed to Acct 303, Cost Accounting.

--EE 303, Basic Electricity, to be discontinued as a required course after the summer of 1968.

--Econ 322, Legal Environment of Business, to be moved from first semester senior year to second semester junior year.

Senior Year

--Acct 410, Budgeting & Executive Control (3 cr., 3,0)* to be offered as an elective in the Fall of 1966 and to become a required course for all students entering the I.M. curriculum after May 1966.

CURRICULUM CHANGES CONTINUED

Electives

--IM 411, Marketing Research (2 cr., 2,0)*, to be an elective course, effective Fall of 1966.

* New courses.

** Effective for students entering the program after the second semester, 1965-66.

IV. In Education:

--Add two new curriculums, one in Recreation and Park Administration and the second in Elementary Education. In the case of the RPA curriculum, the first two years will be offered in 1966-67, the last two years thereafter. In the case of elementary education, only the freshman year will be offered in 1966-67.

The two new curriculums are:

BACHELOR OF SCIENCE IN RECREATION AND PARK ADMINISTRATION

(135 Semester Hours)

First Semester

Second Semester

FRESHMAN YEAR

Bot 101, General Botany.....	4 (3,3)
Engl 101, English Composition.....	3 (3,0)
RPA 101, Introduction to Community Recreation.....	3 (3,0)
Math 103, Algebra.....	2 (3,0)
Hist 102, American History.....	3 (3,0)
AS or MS.....	1 (2,1)
	<u>16</u>

Zool 101, 103, General Zoology.....	4 (3,3)
Engl 102, English Composition.....	3 (3,0)
Math 104, Trigonometry.....	2 (3,0)
Econ 201, Principles of Economics...	3 (3,0)
RPA 102, History and Principles of Outdoor Recreation.....	3 (3,0)
AS or MS.....	1 (2,1)
	<u>16</u>

SOPHOMORE YEAR

Engl 203, Survey of Engl. Lit.....	3 (3,0)
RPA 201, Methods & Techniques of Recreation Leadership...	3 (3,0)
Soc 201, Intro. to Sociology.....	3 (3,0)
Hort 303, Plant Materials I.....	3 (2,3)
Physical Science*.....	4
AS or MS.....	1 (2,1)
	<u>17</u>

Engl 204, Survey of Am & Engl Lit..	3 (3,0)
RPA 202, Management of Aquatic Facilities.....	2 (2,0)
RPA 203, Personal & Comm. Health...	3 (3,0)
Physical Science*.....	4
Elective.....	3
AS or MS.....	1 (2,1)
	<u>16</u>

CURRICULUM CHANGES CONTINUED

JUNIOR YEAR

Engl 301, Public Speaking.....	3 (3,0)
RPA 302, Camp Org & Adm.....	3 (2,3)
Ag Ec 357, Cons of Natural Resources	3 (3,0)
Psych 301, General Psychology.....	3 (3,0)
Elective.....	3
	15

RPA 301, Sports in Recreation.....	3 (2,3)
RPA 303, Program Plan. for Rec.....	2 (2,0)
Hort 308, Landscape Design.....	3 (2,3)
Ed 335, Adol. Growth & Develop.....	3 (3,0)
IM 307, Personnel Management.....	3 (3,0)
Elective.....	3
	17

SUMMER

RPA 405, Field Training in Recreation..... 6

SENIOR YEAR

Ag Ec 352, Public Finance.....	3 (3,0)
RPA 401, Park Maintenance & Oper...	3 (3,0)
Gov 302, State and Local Government	3 (3,0)
For 406, Forest Policy and Administ.	2 (2,0)
Ed 491, Descriptive Statistics.....	3
Elective.....	3
	17

RPA 402, Recreation Administration.	3 (3,0)
RPA 403, Facility and Site Planning	3 (1,6)
RPA 404, Methods of Rec. Research..	3 (3,0)
Soc 331, Urban Sociology.....	3 (3,0)
Elective.....	3
	15

* Two-semester sequence in Chemistry, Geology, or Physics.

BACHELOR OF ARTS IN ELEMENTARY EDUCATION

(135 semester hours)

First Semester

FRESHMAN

Engl 101, English Composition.....	3 (3,0)
Hist 101, American History.....	3 (3,0)
Math 115, Contemporary Mathematics for Elementary Teachers.I	3 (3,0)
Modern Language.....	3
Science*.....	4
AS or MS.....	1 (2,1)
	17

Second Semester

Engl 102, English Composition.....	3 (3,0)
Hist 102, American History.....	3 (3,0)
Math 116, Contemporary Mathematics for Elementary Teachers II	3 (3,0)
Modern Language.....	3
Sciences*.....	4
AS or MS.....	1 (2,1)
	17

CURRICULUM CHANGES CONTINUED

SOPHOMORE

Engl 203, Survey of Engl. Lit.....	3 (3,0)
Hist 203, History of Civilization..	3 (3,0)
Math 215, Algebra for Elem. Teach..	3 (3,0)
Modern Language.....	3
Science*.....	4
AS or MS.....	<u>1 (2,1)</u>
	17

Engl 204, Sur. of Engl. & Am. Lit..	3 (3,0)
Hist 204, History of Civilization..	3 (3,0)
Math 216, Geom. for Elem. Teach....	3 (3,0)
Modern Language.....	3
Science*.....	4
AS or MS.....	<u>1 (2,1)</u>
	17

JUNIOR

Ed 301, Hist. of Amer. Ed.....	3 (3,0)
Engl 351, Children's Literature....	3 (3,0)
Mus 400, Music in Elementary.....	3 (3,0)
Ind Ed 372, Arts & Crafts.....	3 (3,0)
Social Science Elective**.....	3
Interest Area***.....	<u>3</u>
	18

Ed 302, Educational Psychology.....	3 (3,0)
Hist 313, S. C. History.....	3 (3,0)
Ed 386, Health Ed. in Elementary...	3 (3,0)
Social Science Elective**.....	3
Interest Area***.....	3
Elective.....	<u>3</u>
	18

SENIOR

Ed 334, Child Growth & Develop.....	3 (3,0)
Ed 461, Teaching Reading in Elem...	3
Arch 403, Intro. to Visual Arts....	3 (3,0)
Interest Area***.....	<u>6</u>
	15

Ed 458, Health Education.....	3 (3,0)
Ed 480, Methods & Mater. in Elem...	3 (3,0)
Ed 481, Directed Teaching.....	6 (1,15)
Mus 310, Music Appreciation.....	<u>3 (3,0)</u>
	15

* Must include Bot 101, Zool 101, 103 and a two-semester sequence in Chemistry, Geology or Physics.

** Economics, Political Science, Sociology, Philosophy, Religion.

*** Interest Area:

12 semester hours in one of these areas: English, Modern Languages, Natural Sciences, Social Sciences, Mathematics.

ADDITION TO HISTORY FACULTY

William F. Steiner, Jr. of Allentown, Pennsylvania will join the history faculty in August as an Assistant Professor. He has the B.A. from Gettysburg College, the M.A. from the University of Pennsylvania, and is a candidate for the Ph.D. at U. Pa.

His teaching experience includes 2 1/2 years as a teaching fellow at the University of Pennsylvania and two years as an instructor at Franklin and Marshall College. He is married and has one child.

R E S O L U T I O N

The Honorable Robert M. Cooper died at his home at Wisacky on Friday, February 11, 1966. With his death Clemson University and the entire state of South Carolina have suffered an immense loss.

Mr. Cooper's service to the state included membership in both houses of the state legislature, a period as Collector of Internal Revenue, two separate terms as head of the State Development Board, Manager of the South Carolina Public Service Authority, and President of the State Fair Association. Mr. Cooper's driving interest in causes which would lead to the economic improvement of his native state and of his fellow citizens made him play a most important role in the industrialization of South Carolina. This leadership has been the direct cause of its present flourishing condition.

It is because of his efforts to improve the educational facilities of his state and specifically of Clemson University that we of the Faculty Senate wish to make special note of Mr. Cooper's passing. His forty-four years of service on the Board of Trustees of Clemson University, including fifteen as its chairman, were years of incredible growth for the institution. Serving with four different presidents, he saw the student enrollment increased fivefold and the value of its property multiplied by forty. As important as the material growth of the institution is, it was Mr. Cooper's dedication to high ideals and standards, his willingness to accept change, and his unfailing support of administration and faculty that deepened the devotion of the Clemson family to him.

Be it resolved, therefore, that the Faculty Senate of Clemson University record its sorrow at the passing of Mr. Cooper and that it express to Mrs. Cooper its sympathy as well as its gratitude for the vast and innumerable contributions which he made over the years to Clemson University.

Be it further resolved that a copy of this resolution be transmitted to Mrs. Cooper and that the resolution itself become a part of the permanent record of the Academic Faculty and of the Faculty Senate.

Approved by the Faculty Senate March 1, 1966

MINUTES: RESEARCH FACULTY COUNCIL MEETING

The Research Faculty Council met at 4:05 p.m., February 15 in Room 101 Physics, Chairman W. C. Godley presiding.

The minutes of the January 18, 1966 meeting were approved as published.

Chairman W. C. Godley presented the summary report of the Executive Committee.

- a. A complete roster of Research Faculty qualifying for membership has been requested from the Deans of the several schools and colleges.
- b. New faculty orientation has been scheduled for August 17-18, 1966.
- c. The chairman of the Research Faculty Council has been invited to appear on the 9:00 a.m. TV program Telescope on April 14.

Dr. A. E. Schwartz presented a draft of an informational letter concerning the Clemson University Patent Policy. The letter, after correction, was accepted by the Council for dissemination to the Research Faculty members.

The Policy Committee report was continued to the March meeting.

Dr. A. L. Shewfelt presented the Personnel Relations report concerning pay scale flexibility for research assistants. The committee believes that individual cases should be studied so as to more accurately establish present conditions with subsequent recommended remedial action. The requirements to establish a University wide safety code is being studied by Dr. M. B. Bishop.

The Research Faculty Council accepted the Personnel Relations report. A motion requesting the committee to proceed with deliberate haste was seconded and unanimously passed.

Dr. R. L. Edwards reporting for the Ad Hoc Committee, recommended revision of By-Laws, Article II, The Research Faculty Council as found in the Manual for Faculty Members. The Council accepted the changes as information. Further action will be taken during the March meeting. The Council urged that all research faculty members submit suggested constitutional changes to Drs. G. R. Craddock, W. V. Chalupa or R. L. Edwards.

Members Absent:

Dr. J. B. Pitner
Dr. M. B. Bishop
Dr. T. T. Yang

Respectfully Submitted
Edward S. Olson
Secretary

MEDICARE ENROLLMENT DEADLINE MARCH 31 (a reminder)

MEDICARE begins on July 1, 1966. (Contributions through Social Security began on January 1 to pay for the basic HOSPITAL insurance which will be offered to all covered employees at age 65.)

Enrollment is required, however, for the voluntary supplemental MEDICAL insurance. It will cost \$3.00 per month at age 65, but not before July 1, 1966.

To secure this supplemental MEDICAL insurance at \$3.00, an application must be made as follows:

- (a) For anyone who reached age 65 before 1966, an application must be filed with Social Security before March 31, 1966.
- (b) For anyone who reaches age 65 in 1966, or later, his "best" enrollment period will be the three months just before his sixty-fifth birthday. (Enrollment will be accepted during the month he becomes 65, or during three months thereafter, but coverage cannot begin until the month after enrollment.)
- (c) People who are still employed at age 65 must also meet the schedules above to take full advantage of this protection.

PERSONS WHO HAVE NEVER CONTRIBUTED TO SOCIAL SECURITY MAY ALSO BE COVERED AT AGE 65, BUT THEY MUST APPLY FOR BASIC HOSPITAL AND/OR SUPPLEMENTAL MEDICAL, AND WILL NEED TO VISIT A SOCIAL SECURITY OFFICE TO MAKE APPLICATIONS.

TEACHER-RESEARCHER TO JOIN TEXTILES

Edward A. Vaughn of Youngstown, Ohio and Charlottesville, Virginia will join the research and teaching faculties in Textiles in August as an instructor. He has a B.S. degree from Lynchburg College and a M.S. degree from the Institute of Textile Technology. He has had three years of teaching and research experience, and is presently a research associate at ITT.

Mr. Vaughn is married to the former Helen Haid of Baltimore, Maryland.

READING SPECIALIST TO JOIN EDUCATION

Mrs. Barbara Morgan of Champaign, Illinois, will join the Education faculty in August as Assistant Professor of Education and Director of the Reading Laboratory. She received an A.B. in Psychology and an M.Ed. in Reading from the University of South Carolina and is completing requirements for the Ed.D. at the University of Illinois. She has had public school experience in Reading and Special Education and has taught at Columbia College and the University of South Carolina. For two years she did psychotherapy and testing at the Mental Health Clinic in Champaign. Currently she is Assistant Professor of Psychology at Illinois State University.

CLEMSON TO OPERATE COLLEGE PARALLEL PROGRAM AT GREENVILLE--C. B. THOMPSON
APPOINTED DIRECTOR

In response to a request from the Greenville Area Technical Education Commission and the State Technical Education Committee, Clemson will operate the freshman year of a college parallel program to be established at the Greenville Technical Education Center in August. C. B. Thompson (economics) has been appointed as Director of the program. Clemson department heads are to approve the courses offered, and faculty (both full and part-time) will be employed by Clemson.

The first year program will enroll 250 students who will be expected to meet the usual Clemson entrance requirements. These students will take the same courses, except for ROTC and architecture, as are taken by on-campus freshmen.

In 1967-68 it is expected that a sophomore year will be added to the program. Students will be able to move to the main campus to continue their Junior and Senior years.

Professor Thompson, who will be Director of the program, has been a member of the Social Sciences economics faculty since 1962. Prior to that date he had served for four years as professor of Aerospace science and commanding officer of the Air Force ROTC program at Clemson. He will begin work with the Greenville program March 15 on a half-time basis; and will work full-time as Director after June 1.

Greenville TEC is constructing and equipping special classroom space for the college parallel program; and library holdings are being purchased. The program will enable Greenville to have a pilot-operation of a typical Community College. Such a pilot program has been made a recommendation by a special legislative committee created in 1965 by the S. C. General Assembly to study the Junior College situation in the state.

MEMORANDUM TO: ALL MEMBERS OF THE CLEMSON SIGMA XI CLUB

On Monday, May 2, 1966, there will be a formal installation ceremony for the Clemson Chapter of the Society of the Sigma Xi. As a part of this total program there will be an academic procession in which all members of the Clemson Sigma Xi Club will be expected to participate.

Academic costumes for rental or purchase may be ordered for this occasion through the Purchasing Department on the same forms provided for ordering that dress for Commencement. These forms have been sent to your departments. The forms should be completed and returned to the Purchasing Office by April 1. In the block beside the notation "Honors and Awards Day" please check and further indicate that the order is for "The Sigma Xi Ceremony." There will be an additional charge for rental of \$1.00 for cap and gown and \$1.00 for hood.

CLEMSON CONCERT BAND ANNOUNCES SPRING TOUR

The Clemson Concert Band, directed by John H. Butler, will be on a tour of S. C. and Georgia during the period March 23-29.

The tour will include eight cities, opening with a concert at Strom Thurmond High School, at Edgefield-Johnston, S. C. on March 23. Other appearances scheduled are in Barnwell, S. C., Lexington, S. C., North Augusta, S. C., Washington, Ga., Winder, Ga., Hapeville, Ga., and Clemson, S. C. Most of these concerts will be presented in the local high school auditorium and are open to the public. Information regarding admission may be obtained from band directors in the respective cities.

A wide variety of music is included in the band's tour repertoire. Concert selections will include Bach's chorale-prelude "Sleepers Wake!", Suppe's overture "Fatinitza" and the overture to Gluck's opera "Alceste." The Gluck overture will be heard in a special arrangement by director Butler, being heard for the first time on these concerts. The feature number programmed will be the Suite from Tchaikovsky's perennially favorite ballet "The Nutcracker." Celesta soloist in the Tchaikovsky will be Dr. Hugh H. McGarity, a member of the music faculty at Clemson.

Lighter selections will include Leonard Bernstein's "Danzon", from the ballet Fancy Free; Johanne Strauss' delightful 'musical joke' entitled "Perpetual Motion"; the Overture to Richard Rodgers' current Broadway musical "Do I Hear a Waltz?"; and a selection from the score to the movie "The Man With the Golden Arm." Marches will include "The British Sousa", K. J. Alford, and a new concert march by Clifton Williams, "Strategic Air Command."

Tour audiences will, of course, hear the traditional Clemson songs as well as a very unusual, old arrangement, by John Philip Sousa, of our National Anthem. Band enthusiasts, music lovers and Clemson fans are urged to attend at least one of these programs, provided as a public service by Clemson University and its Department of Bands.

The tour will conclude with a concert at Clemson on March 29, at 8 p.m. in Tillman Auditorium.

THREE CLEMSON STUDENTS WIN WOODROW WILSON FELLOWSHIPS

Two currently enrolled Clemson undergraduates, James L. Bolen, Jr., in Chemistry and Frederick E. Riewe in Physics, have been awarded Woodrow Wilson National Fellowships. Harold E. Littleton, Jr., a Clemson graduate in the Class of 1963, was selected for one in Religion. He has been enrolled in the Baptist Seminary at Wake Forest, N.C..

Woodrow Wilson Fellows get one academic year of graduate education (with tuition and fees paid by the Foundation), a living stipend of \$2,000 and allowances for their dependent children. The graduate school they choose to attend receives an additional grant from the Foundation.

MEETING: BOARD OF TRUSTEES

The University Board of Trustees held its scheduled meeting March 9 at the Wade Hampton Hotel in Columbia. Actions taken by the Board included:

- Elected Senator Edgar A. Brown president of the Board.
- Named the library in honor of the late Robert Muldrow Cooper.
- Adoption of resolution in memory of Robert Muldrow Cooper.
- Approved in principle the university master plan for development of physical facilities during the decade 1967-1976. Estimated cost of the development, based on today's prices, would be \$50 million.
- Approved a recommendation to continue the employment of C. A. Reed (Phys) and F. P. Morris (Arch) for an additional year, each man being past 65 years of age.
- Confirmed the appointment (announced earlier) of S. M. Willis (IM) as Director of Clemson's Sumter campus.
- Confirmed the appointment of Herbert Brantley (N. C. State) as head of the Department of Recreation and Pard Administration.
- Authorized the university to offer the first year of a two-year freshman-sophomore college parallel course in academic facilities on the campus of the Greenville Technical Education Center and confirmed the appointment of C. B. Thompson (Econ) as Director of the program.
- Adopted the following policy concerning community colleges:

WHEREAS, Clemson University has been requested to establish two-year college parallel programs in urban areas of South Carolina; and

WHEREAS, The Board of Trustees of Clemson University agrees that quality higher educational advantages in South Carolina be made available to as many qualified students as possible; and

WHEREAS, The Board of Trustees of Clemson University also believes that the varied post-high school educational needs of the people of South Carolina can be best met by the establishment of a state-wide system of community colleges, independent of the existing four-year institutions; and

WHEREAS, Clemson University is willing to render assistance in the establishment of two-year college parallel courses as an interim measure to fill the educational gap in various communities, this willingness is tied to a belief that control of such college parallel programs should be relinquished as soon as practicable to an agency created by the General Assembly for such educational operations.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees of Clemson University memorialize the Senate Committee on Junior Colleges and the Governor of the State of South Carolina to urge enactment of appropriate legislation to create a state-wide system of community colleges to the end that such colleges may be operated and controlled as state-supported institutions, independent of the university and four-year college systems.

MEETING: BOARD OF TRUSTEES Continued

--Authorized the administration to "lend its active support and guidance" to the establishing of two-year agricultural technology programs at selected state technical education centers.

--Authorized the university to undertake a cooperative program in graduate education between Clemson and the Textile Research Institute at Princeton, N. J.

--Authorized the university to offer certain graduate courses in mathematics and other fields at the campus of the Greenville Technical Education Center.

--Confirmed the sale of 6.6 acres of land in Oconee County to Piedmont Presbytery.

--Authorized the discontinuation of the Department of Industrial Engineering and the major offered in that field; and approved the establishment of a new department of Engineering Services. Students now enrolled for IE degrees will be allowed to earn them. No new students will be enrolled.

--Approved a seventy-five year lease by the university of the academic buildings at Sumter which are being constructed by the Sumter County Commission of Higher Education.

--Confirmed the action of the administration in acquiring from the Federal Government the mineral rights on 19,816 acres of university lands.

--Confirmed the award of a contract to Triangle Construction Company in the amount of \$112,099 for the construction of poultry research buildings.

--Confirmed the awarding of a contract to the Triangle Construction Company in the amount of \$1,037,670 for the construction of men's dormitories numbers 12 and 13.

--Approved several transfers of stocks given to the Alumni Loyalty Fund, two property easements, a proposal to dismantle and dispose of any university-owned housing which might interfere with campus development, and

--Approved funding arrangements whereby dormitories 9 through 13 may be air conditioned.

--Approved the report of the Faculty Senate-Trustee Honorary Degree Committee. The names of those to be awarded degrees will be published as soon as all nominees have accepted.

--Authorized annual leave for nine-month employees who do summer-time research on sponsored contracts. Leave for such researchers will accrue at the rate of one day for each month of summer research by employees with less than 36 months of university employment; and one and one-half days per month for employees with 36 or more months of university employment.

--Two final actions by the Board were:

- (1) to elect Senator Edgar A. Brown of Barnwell as the President of the University Board of Trustees; and (2) to name the new library in memory of the late Robert Muldrow Cooper.

GIFTS AND GRANTS

--From NIH to R. F. Borgman (Food Sci and Biochem), \$20,950 to support research entitled "Pathogenesis of Gallstones and Lipid Metabolism."

--From NSF to J. A. Chisman (IE), \$8,500 to support research entitled "A Single Statistical Distribution to Approximate Any Form of Empirical Data."

--From Tennessee Eastman to Chemical Engineering, \$3,000 for a graduate student fellowship.

--From the Sonoco Products Company to Horticulture, \$300 for use in agricultural chemical studies.

--From W. R. Grace and Company, Davison Chemical Division, to the Sandhill Station, \$1500 for peach tree fertilization research using MagAmp.

PERSONAL MENTION

--L. G. Rich (Engr) visited NYU, Manhattan College, and the University of Maine on March 1-5 as a PHS Committee member.

--Harold Landrith (Educ) participated in a Knapp Foundation Conference on Curricula, held in Baltimore, March 3-5.

--C. V. Aucoin (Math) delivered a series of lectures, (sponsored by the Mathematical Association of America) at Tennessee Polytechnic Institute, Cookeville, March 2-5.

--H. H. McGarity (Music) served as an adjudicator for the Anderson County District II Annual Choral Music Festival on March 9, 1966.

--J. W. Hubbard (Agricultural Economics) was elected Chairman of the Southern Farm Management Research Committee at the February 21-23 meeting in Atlanta. This Committee includes representatives of agricultural experiment stations in 13 southern states.

--On Thursday, March 3, at 7:30 p.m., the fifth year architectural students presented a master plan and civic design proposal for the city of Clinton to the city officials and the Chamber of Commerce at a dinner presentation at the Mary Musgrove Hotel in Clinton.

--An extensive showing of work of the Clemson School of Architecture will be on exhibit at the Greenville Home Builders' Show March 24 through 26.

PERSONAL MENTION Continued

--S. L. Shapiro (econ) has resigned his instructorship, effective May 15, to accept a position in Virginia.

--D. H. Petersen (Bot-Bact) participated in a February 22 workshop at Athens, Georgia, concerned with fungi of the genus *Pythium* and the diseases they cause. This workshop was convened under the leadership of Dr. O. Vaartaja, Canada Department of Forestry.

--F. I. Brownley (Chem-Geol) is to receive an honorary degree from Wofford College at the June, 1966 Graduation Exercises.

--J. T. Long and J. N. Thurston (EE) participated in a Western Electric Education-Industry Seminar in Winston-Salem, March 7-9.

--President Edwards has been appointed by Governor McNair to a term as a member of the Southern Regional Education Board.

--N. P. Marullo (Chem) has been advised by the Research Corporation that a patent application is in preparation on his invention relating to the separation of alkali metals.

--Robert H. Garrison (Seed Cert) was keynote speaker at the annual meeting of the Alabama Crop Improvement Association at Auburn University, February 21.

--L. E. Hill (econ) has been selected as a participant in the University of Virginia's summer invitational seminar on contemporary economics.

--Edward S. Olson (IM-TS) has been appointed Secretary of a technology committee of the American Association of Textile Chemists and Colorists.

--P.M. Alexander (Hort) presented a talk entitled "Turfgrass Research in South Carolina" to Georgia Nurserymen's Association at the University of Georgia, in February.

--P. M. Alexander (Hort) participated in the 14th Annual International Turfgrass Conference and Show, Kansas City, Missouri, February 13-18.

--Ruby Craven (Hd Staff), O. B. Garrison (ExpSta), J. H. Mitchell, Jr. (FdSci), W. J. Lanham (AgEcon), and H. O. Wheeler (FdSci) have been appointed as members of the Clemson-Winthrop Home Economics Research Council.



CLEMSON

NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vo. 5 No. 15

April 1, 1966

CALENDAR: APRIL 1-18

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| April 1-16 | | Exhibition: Contemporary American Landscape Architecture. Lee Gallery, Architecture. |
| April 1-2 | F-S | Contemporary Film Series, "Sawdust and Tinsel," Civil Engr. Aud. |
| April 2 | S | Baseball: Clemson v. Duke. |
| April 2 | S | Tennis: Clemson v. Virginia. |
| April 3 | S | J. G. Dinwiddie (Chem.) will lecture on the Philosophy of Chemistry. 6:30 p.m., Clemson Baptist Church. |
| April 4 | M | 1963 French language film "Le Soupirant." 83 minutes. 7:30 p.m., Chemistry Auditorium. |
| April 4 | M | Golf: Clemson v. Wake Forest. |
| April 5 | T | Baseball: Clemson v. Wake Forest. |
| April 5 | T | James Dickey, newly appointed Poetry Consultant at the Library of Congress and former Clemson student, will read selections from his poetry at the Chemistry Auditorium on April 5th at 8:15 p.m. Mr. Dickey has won various awards for his poetry. His most recent volume, <u>Buckdancer's Choice</u> , won the National Book Award as the best volume of poetry published in 1965. He is a native of Atlanta, a <u>magna cum laude</u> graduate of Vanderbilt University, and he attended <u>Clemson University</u> during 1942-43 until he entered the Air Force. His appearance at Clemson is sponsored by the English Department. |
| April 5 | T | Regular meeting, Academic Faculty Senate, 4:15 p.m., Room 1, Physics. |
| April 5 | T | Sage Club. 6:30 p.m., Clemson House. |
| April 6 | W | Tennis: Clemson v. Harvard. |
| April 6 | W | Laicos Club, 8:15, Clemson House. |
| April 6 | W | Newcomers Club, 8 p.m., Clemson House. Bridge Group. |
| April 7 | Th | Tennis: Clemson v. Harvard. |
| April 7 | Th | Woman's Club, 3:30 p.m., Clemson House. |
| April 7 | Th | Easter holidays begin for teachers and students. |
| April 8 | F | Tennis: Clemson v. Harvard. |

CALENDAR Continued

April 9	S	Tennis: Clemson v. Maryland.
April 9	S	Track: Clemson v. Duke.
April 9	S	Baseball: Clemson v. Maryland.
April 11	M	Forum Club, 7 p.m., Chem. Bldg. Conf. Room.
April 11	M	Baseball: Clemson v. Virginia.
April 12	T	Baseball: Clemson v. Virginia.
April 12	T	Louis Levine (former Director of the United States Employment Service and now Assistant Manpower Administrator, United States Department of Labor) will conduct a Seminar at 1:15 p.m., Ceramic Engineering Auditorium. Dr. Levine's subject will be "The Manpower Situation in the United States."
April 13	W	Graduate Wives, 8 p.m., Clemson House.
April 13	W	Nicholas Rashevsky (Professor of Mathematical Biology in the Department of Psychiatry and Research Mathematical Biologist in the Mental Health Research Institute, University of Michigan; and formerly Professor of Mathematical Biology and Chairman of the Committee on Mathematical Biology of the University of Chicago) will lecture on "New Horizons in Mathematical Biology." 7:30 p.m., Civil Engr. Aud.
April 13	W	Newcomers Club, 8 p.m. Gourmet group.
April 14	Th	Annual banquet of Gamma Sigma Delta will be held at the Clemson House at 7:00 p.m. Alexander Nunn, Executive Vice-President of the Progressive Farmer, will be the speaker.
April 14	Th	William E. Reid (Pres., Riegel Textiles) will lecture on "Are You Ready to Learn?" 2 p.m., Sirrine Auditorium.
April 14	Th	Seminar in quantitative economic analysis. Phi Psi Room. Sirrine Hall, 3:30 p.m. Speakers will be J. L. Murphy (Econ., UNC), R. B. DesJardins (Bus. Adm., UNC), S. O. Park and N. K. Kwak (IM Clemson).
April 15	F	Tennis: Clemson v. N. C. State.
April 15	F	Junior Follies, 8 p.m., Field House.
April 17	S	J. W. Kenelly (Math) will lecture on the Philosophy of Mathematics. 6:30 p.m., Clemson Baptist Church.
April 18	M	1962 Russian language film, "The Duel." 88 minutes. 7:30 p.m., Chemistry Auditorium.

SUMTER CAMPUS FACULTY

The following persons have been employed for teaching at the Sumter campus:

--in chemistry: Don B. Weser of Morgantown, W. Va. He has the B.S. from Bethany College and the M.S. from West Virginia University. He has 6 years of teaching experience: three at Bethany as lab assistant; three at W. Va.U. as a teacher. He is married and has one child.

--in botany-zoology: Mrs. Janice Coffey of Columbia. She has the B.S. from Appalachian College, the M.S. from the University of S. C. and is to receive the Ph.D. there in August. She has been a teaching assistant at the University of South Carolina.

--in history: N. D. Evans of Independence, Kansas and Greenville, S. C. He has the B.A. from Furman and the M.A. from Clemson. He has been a teaching assistant at Clemson.

--in math: Jack Anderson of Golden Meadow, Louisiana and Beaufort, S. C. He has a B.S. degree from Southwestern Louisiana University and a Masters from Clemson. Currently he is teaching full-time at the Beaufort Center of the University of South Carolina.

SPECIAL DEDUCTION OF SUMMER INSURANCE PREMIUMS FOR ACADEMIC FACULTY

Arrangements have been made by the Accounting Division to deduct regular group insurance premiums for the months of May, June, and July from the salary check to be issued on May 14 to each member of the faculty who is paid on the academic-year basis. The August premium will be deducted from the check due August 31.

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COLLEGE BOARD TESTING

The May 7, 1966, College Board Examinations will be the last test date on which the Clemson University CEEB Center will operate. Beginning with the July 9, 1966, administration, CEEB testing in this area will be accomplished at Daniel High School.

McCONNELL SEMINAR HOUSE AVAILABLE AT HIGH HAMPTON

The President of Davidson College has informed Clemson that the Robert Earle McConnell Foundation again this summer is offering the use of the Seminar House at High Hampton to educational institutions for faculty study groups, committee meetings, seminars, and other official purposes. The 1966 season is from mid-May to mid-October. High Hampton (Cashiers, N. C.) is about an hour's drive from Clemson.

The House has two twin bedrooms, two double bedrooms, a large living and study area, kitchen, and two small porches. With a total of six (twin-size) beds and two (double) beds, it can accommodate 8-10 guests by using the porches for sleeping and 6-8 guests without using the porches.

The Foundation provides maid service, utilities, and meals which, except for breakfast at the Seminar House, are taken at High Hampton Inn, a short drive from the House.

Wives and husbands of participating members wishing to accompany their spouses will be expected to pay for their luncheon and dinner at the Inn. Luncheon is \$2.25 except on Sunday when it is \$2.75. The evening meal is \$3.00 except on Wednesday and Saturday nights when they have roast beef and steak at \$4.00. No charge will be made for non-participating wives or husbands staying at the Seminar House if the group is sufficiently small to permit this.

In addition to beautiful scenery, there are two excellent golf courses nearby (Highlands and Sapphire) plus the High Hampton course. There are also tennis, swimming, and fishing facilities.

Reservations for Seminar House will be made in order of their receipt and no reservation will be accepted for a period longer than one week or for more than one week-end (Friday-Saturday-Sunday). In requesting reservations, please indicate the size and general purpose of your group together with alternate dates for your use of the House. All reservation requests should be made by way of the office of Dean of the University.

ADDITION TO MATH FACULTY

Frank M. Cholewinski of Chicago, Ill. and Chapel Hill, N. C. will join the mathematics faculty in August as an Associate Professor. He has an undergraduate degree in engineering physics from Auburn; a master's degree in applied math from Auburn; and a Ph.D. in analysis from Washington University. He has eight years college teaching experience and is currently on the University of North Carolina faculty.

Dr. Cholewinski is a member of Sigma Xi, Phi Kappa Phi, and a number of professional mathematics societies. He is the author of several research studies, including A Hankel Convolution Complex Inversion Theory (Memoirs of the AMS, #58, 1965). His wife, Mary Alice, is from Dallas, Texas, and they have four children.

MINUTES OF THE FACULTY SENATE

The Faculty Senate met on March 1 at 4:15 p.m. in Room 101 of the Physics Building, President J. M. Stepp presiding. After the minutes of the preceding meeting had been approved, Dr. Stepp made the following announcements:

- (1) Recommendations of the Committee on Honorary Degrees will be presented to the trustees of the University on March 9.
- (2) A University committee on graduation procedures has accepted, in general, the recommendations of the Faculty Senate.
- (3) Suggestions made by J. E. Jackson concerning automobile registration decals and changes in the letter grading system have been referred to the Welfare Committee and the Admissions and Scholarship Committee respectively.
- (4) The Athletic Council has approved an increase in the price of faculty season athletic tickets. A study of prices at twelve other comparable institutions reveals that Clemson's prices are somewhat higher than average for this area.

A resolution expressing appreciation of the distinguished services of the late Honorable R. M. Cooper was passed. The resolution is to be made a part of the permanent records of the Academic Faculty.

Dr. T. L. Senn reported that the University committee on the naming of buildings and streets has listed the facilities to be named and is working on a policy for the selection of names. Faculty members are urged to submit suggestions to members of the committee.

Dr. Stepp read a letter from Dr. J. K. Williams relating to the method of recommending candidates for graduation. The Senate was asked its opinion on a proposal that the recommendation of a candidate's school or college would be sufficient without the added approval of the Academic Faculty. After considerable discussion it was agreed that the Academic Faculty should preserve its right to approve all candidates for graduation, and a motion to this effect was passed.

Dr. C. A. Reed (Admissions and Scholarship) recommended that a candidate for a Bachelor's degree be required to have a minimum GPR of 2.0 on a specific group of courses approved by his major department. A motion to postpone action on the recommendation passed. Dr. Reed also presented a report on the legal and ethical factors involved in requiring that a student's criminal record be made a part of his application for admission. Because of the complexity of the problem, he moved that no recommendation be made to University officials concerning the questioning of applicants. The motion passed.

Dr. Henry E. Lefort (Policy) asked that his report be deferred until the April meeting. There being no further business, the meeting was adjourned at 5:46.

Respectfully submitted,

Herman M. Felder, Jr.

Herman M. Felder, Jr.
Secretary

MINUTES OF RESEARCH FACULTY COUNCIL

1. Dr. J. E. Miller moved to dispense with reading the minutes of the 2/15/66 meeting. The motion was passed. Minutes of the meeting were accepted as published.
2. Dr. Godley reported for the Executive Committee.

The Executive Committee has prepared the Patent Policy Memorandum explaining the purpose and scope of the University Patent Committee. The Memorandum was accepted by the Research Faculty Committee. The chairman was directed to proceed with the publication and dissemination of the Memorandum to the Research Faculty.

3. Dr. Godley reported that he has received a complete roster of the Research Faculty.
4. Dr. R. L. Edwards reported for the Ad Hoc Committee conducting a study of the Constitution and By-Laws of the Research Faculty.

Mr. J. V. Walters made the motion to approve the report as amended and disseminate it to the Research Faculty for consideration.

5. Dr. Shewfelt presented a proposed policy statement for the Personnel Relations Committee. Dr. A. E. Schwartz moved that the policy statement, as amended, be transmitted to appropriate university administrative staff. The policy statement, as amended, passed unanimously.
6. Dr. Muriel Bishop submitted a preliminary report on safety in Clemson University Laboratories. The report indicated the lack of a uniform safety code. Dr. Bishop recommended that a uniform, University-wide safety code be developed, adopted, and enforced.

The Research Faculty Council requests that safety recommendations be submitted by all interested persons. The recommendations should be directed to:

Dr. Muriel Bishop 214 Brackett Hall

ADDITION TO STUDENT AFFAIRS STAFF

Mrs. Richard P. Morgan (Carolyn A.) will join the Counseling Center staff full time as a Psychometrist on April 1. Mrs. Morgan has been employed part time since February 1 but was unable to come to the staff full time until April 1. She holds a B. S. degree from Ohio University and an M. S. degree from Indiana University.

GRADUATE RECORD EXAMINATION

The Graduate Record Examination will be given at Clemson on April 23. Applications must be received by the Educational Testing Service by no later than April 8. Forms are available in the Graduate School Office.

The Educational Testing Service recently conducted two studies involving the testing of 637 foreign students. The mean score on the verbal section was 373 (87% scored below 500) and the mean score on the quantitative section was 531 (31% scored below 500).

These 637 students went to four universities. In a follow-up study of subsequent performance a significant relationship was found between the student's score on the quantitative section and his subsequent performance, and also between his combined quantitative-verbal score and his subsequent performance at the U. S. Institutions. The verbal score above, however, was not a good predictor of subsequent performance.

This study indicates several matters of interest. Combined scores on these students averaged 904. This indicates that foreign students can do well on this test. This is the type of foreign student that we can work with in our programs. Further, it indicates that a low verbal score, when combined with a good quantitative score, predicts good performance.

Since last Fall we have received GRE scores from twelve foreign students. These were students to whom English is a foreign language. The tests were taken in the following countries; Taiwan, India, Hong Kong, Korea, Japan, and Turkey. Verbal scores ranged from 220-350 and quantitative scores from 480-730. Total scores ranged from 700-1020. It would appear, when compared to the average verbal (373) of the 637 students studied, that we are not yet attracting the type of foreign student that we should be in regard to vocabulary and comprehension. Quantitatively, as might be expected in a science-oriented institution, we are doing quite well.

A NOTE ON FINANCIAL AID TO STUDENTS

During the current academic year, 153 National Defense Student Loans were granted with a total value of \$84,325. In addition, 109 student loans totaling \$68,139 were authorized through United Student Aid Funds, Inc., and 61 small, short-term loans were made from locally-endowed funds.

During this session, approximately 1060 undergraduates will have been engaged in part-time on-campus employment.

Since the National Defense Student Loan Program was instituted at Clemson in 1962, 549 student loans with an aggregate value of over \$620,000 have been awarded. The NDEA loan program is being phased out by the Government, and in the future Clemson will make larger use of the United Student Aid Funds, Inc.

SECOND SEMESTER ENROLLMENT

The current enrollment of 4902 is the highest second semester enrollment in the history of Clemson, and is 534 (or 12 per cent) higher than the 4368 enrolled for the second semester, 1964-1965. Even though 202 students were graduated in December, 1965, the second semester figure is only 122 less than the 5024 enrolled during the first semester 1965-1966.

The relationship between semesters, 64-65 and 65-66, is:

	<u>1964-1965</u>	<u>1965-1966</u>	<u>Increase</u>
First Semester	4588	5024	436
Second Semester	4368	4902	534
Decrease	-220	-122	

This semester the enrollment of women rose from 350 first semester to a new high of 361. A distribution of the current student body by source and sex is as follows:

	<u>Men</u>	<u>Women</u>	<u>Total</u>
New Students (High School)	34	2	36
New Students (Transfer)	39	26	65
New Students (Graduate)	10	5	15
Former Students Returning	191	20	211
Continuing Students	4267	308	4575
TOTAL	4541	361	4902

The higher second semester enrollment probably resulted from better students, the calendar change, and Selective Service pressure.

POSTDOCTORAL FELLOWSHIPS

Numerous numbers of bulletins, brochures, etc. are channeled to the Graduate Office regarding Post-doctoral Fellowships. There is enough material involved in each of these notices to make them difficult to describe in The Newsletter. Postdoctoral information will be kept on file in the Graduate School Office. You are invited to read it at any time.

NOTE ON FULBRIGHT GRANTS

United States Government Grants under the Fulbright-Hays Act for 1967-68 have been announced. These are for University Lecturing and Postdoctoral Research in Latin America, Europe, the Near East, the Far East, South and East Asia, the Pacific, and Africa. Contact the Graduate Office for further details.

GRANTS FOR GRADUATE SCIENCE FACILITIES

The 1966, "Grants for Graduate Science Facilities", published by the National Science Foundation has been received. Interested parties may write NSF for this, designated as NSF 66-14, Feb., 1966, at the National Science Foundation or come by the Graduate office.

PERSONAL MENTION

--L. G. Rich (Engr) was a member of a Public Health review panel meeting in Washington, D. C., March 11.

--Clayton Aucoin (Math) is a member of the Southern Regional Education Board's 24 man Committee on Statistics.

--F. A. LaRoche (IM) will be on academic leave for the period 8/15/66-8/15/67 doing doctoral study at the University of South Carolina.

--T. F. Collins (Phys) will be on academic leave for the period 8/15/66-8/15/67 to do doctoral study at the University of Florida.

--Harvey E. Morgan, Jr. (Ind.Ed) served as consultant in Industrial Arts for the Anderson Public Schools "In-Service Workshop" March 16 and 17, 1966. He was also re-elected Secretary for the South Carolina Industrial Arts Education Association at the Spring Business meeting on March 18, 1966.

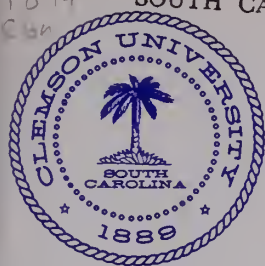
--A. F. Newton (Ind.Ed) delivered the main address at the mid-March Industrial Arts conference in Columbia.

--H. F. Landrith (Ed) has been elected Secretary-Treasurer of the Department of Higher Education of the South Carolina Education Association. He has also been elected chairman of the Committee of Deans and Education Department Heads of S. C. Public Colleges and Universities.

--National Science Foundation Summer Fellowships have been awarded to W. J. Chervenak, Graduate Assistant in Physics, and J. R. Fraker, Instructor in Industrial Engineering. Both will study full time at Clemson this summer; Chervenak in Physics and Fraker in Engineering Management.

CORRECTION

In the last issue of the Newsletter, the name of a new member of the history faculty was spelled "Steiner." The correct spelling should be William F. Steirer, Jr.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 16

April 15, 1966

CALENDAR: APRIL 15-MAY 3

MAY 17 1966

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| April 15 | F | Tennis: Clemson v. N. C. State. |
| April 15 | F | Junior Follies, 8 p.m., Field House. |
| April 16 | S | Spring Art Exhibit, 10 a.m.-4 p.m., Lee Gallery, Architecture. Sponsored by student chapter, AIA. |
| April 17 | S | J. W. Kenelly (Math) will lecture on the Philosophy of Mathematics. 6:30 p.m., Clemson Baptist Church. |
| April 18 | M | 1962 Russian language film, "The Duel." 88 minutes. 7:30 p.m., Chemistry Auditorium. |
| April 19 | T | The Honor Society of Phi Kappa Phi will initiate new members at 6:00 p.m., Clemson House. The spring banquet will be held at 7:00 p.m., Clemson House. Joseph Wightman, Acting President of Erskine College, will be the speaker. |
| April 19 | T | Research Faculty Council. 4 p.m. Room 101 Physics Bldg. |
| April 19 | T | Fellowship Club. 6:30 p.m. Clemson House. |
| April 19 | T | Baseball: Clemson v. U. Georgia |
| April 20 | W | University Honors Day. Classes suspended at noon. Awards Programs by Colleges and Schools from 1:00-2:00 p.m. |
| April 20 | W | President T. Marshall Hahn (VPI) will speak at 2:30 p.m. in Tillman Auditorium. |
| April 20 | W | Laicos Club, bridge, 8:15 p.m. Clemson House. |
| April 20 | W | Newcomers Club. Handicrafts group. 8 p.m. Clemson House. |
| April 21 | Th | Seminar in quantitative economic analysis. Phi Psi Room. Sirrine Hall, 3:30 p.m. Speakers will be J. L. Murphy (Econ., UNC), R. B. DesJardins (Bus. Adm., UNC), S. O. Park and N. K. Kwak (IM Clemson). |
| April 22-23 | F,S | Junior-Senior Dances: Dining Hall. |
| April 24 | S | J. V. Reel (hist) will lecture on the philosophy of history. 6:30 p.m., Baptist Church. |
| April 25 | M | Baseball: Clemson v. Furman. |
| April 25 | M | Forum Club. 7 p.m. Chem. Bldg. Conference Room. |
| April 25-May 30 | | Exhibit, Lee Gallery, Architecture. Fifth year student theses. |

CALENDAR CONTINUED

April 26	T	Baseball: Clemson v. South Carolina.
April 27	W	Graduate Wives, bridge, 8 p.m. Clemson House.
April 28	Th	Seminar in quantitative economic analysis. Phi Psi Room. Sirrine Hall, 3:30 p.m. Speakers will be J. L. Murphy (Econ., UNC), R. B. DesJardins (Bus. Adm., UNC), S. O. Park and N. K. Kwak (IM Clemson).
April 28	Th	ROTC Recognition Program. Bowman Field.
April 30	S	Track: Clemson v. South Carolina.
April 30	S	Baseball: Clemson v. U. North Carolina.
May 1	S	Rev. C. Middlebrooks will lecture on the Philosophy of Technology. 6:30 p.m., Baptist Church.
May 3	T	Regular meeting, Academic Faculty Senate. 4:15 p.m., Room 1, Physics.
May 3	T	Sage Club, 6:30 p.m., Clemson House.

UNIVERSITY BAND PLANS POP CONCERT

This year's "Pops" Concert, an annual presentation of the Clemson University Concert Band, under the direction of John H. Butler, will feature a spectacular performance of Tchaikovsky's popular "Overture 1812". The three balconies of Clemson's Tillman Hall Auditorium will be utilized for additional forces called for in Tchaikovsky's original score. Personnel constituting these additional groups are from the Clemson "Tiger" Band, the Clemson Army R.O.T.C. Band, the Clemson Air Force R.O.T.C. Band and the Daniel High School Band. The last-named group is conducted by Glenn C. Hubbard; all others are directed by Mr. Butler.

In addition to the Tchaikovsky overture, the program will include numbers calculated to appeal to almost anyone: Selections from the smash Broadway musical "Carousel"; Alford's ever-popular march "Colonel Bogey"; Elgar's "Pomp and Circumstance March No. 1"; a selection of melodies by Henry Mancini, including "Baby Elephant Walk", "Hatari" and "Moon River"; a medley of melodies from Italian movies, featuring "More" from the film Mondo Cane; Strauss' "Thunder and Lightning Polka"; the marches from the recent Broadway musical "Baker Street"; and various other light concert pieces, including the traditional Clemson songs.

Date of the concert is Tuesday, April 26, at 8:00 p.m. in the Auditorium of Tillman Hall. Admission is free. Doors will open at 7:15.

ENROLLMENT DATA: S. C. INSTITUTIONS

The following data is that for the fall, 1965, as reported by the colleges and universities of the state to the Department of HEW:

<u>School</u>	<u>Students Working Toward Degrees</u>	<u>Students in Courses Not Creditable Toward a Bachelor's or graduate degree</u>	<u>Total</u>
Allen U.	912	0	912
Anderson Coll.	810	0	810
Benedict Coll.	1100	0	1100
Bob Jones U.	2624	242	2866
Central Wesleyan C.	267	0	267
The Citadel*	2033	0	2033
Chaflin C.	711	0	711
Clemson U*	5022	0	5022
Coker C.	348	0	348
College of Charleston	387	0	387
Columbia Bible Coll.	500	0	500
Columbia Coll.	857	0	857
Converse Coll.	782	0	782
Erskine	773	0	773
Friendship Jr. Coll.	325	0	325
Furman U.	1617	0	1617
Lander Co.	542	60	602
Limestone Co.	563	0	563
Lutheran Theol. Sem.	121	5	126
Medical Coll. of S. C.*	669	48	717
Morris Coll.	643	0	643
Newberry Coll.	823	0	823
N. Greenville Jr. Coll.	530	0	530
Presbyterian Coll.	676	0	676
S. C. State Coll.*	1695	0	1695
Spartanburg Jr. Coll.	613	0	613
Univ. of S. C.*	10601	397	10998
Voorhees Jr. Coll.	301	76	377
Winthrop Coll.*	2970	0	2970
Wofford Coll.	989	0	989
Totals:	40804	828	41632

The totals do not include post-high school educational institutions such as the technical education centers or the Palmer business schools.

Of the total shown above, 17,697 are girls and 23,935 are boys. The six state supported colleges and universities are enrolling 56 per cent of the total.

* State supported

NEWLY ACCREDITED SCHOOLS

Recent accrediting decisions of interest by various agencies include:

Southern Association of Colleges and Schools

Senior Colleges	Piedmont College, Demorest, Georgia *University of South Florida, Tampa
Junior Colleges	*Brevard Junior College, Cocoa, Florida *Indian River Junior College, Fort Pierce, Florida *Junior College of Broward County, Fort Lauderdale, Florida *Miami-Dade Junior College, Miami, Florida Stratford College, Danville, Virginia
	* Retroactive to 1963.

Special-Purpose Institution	New Orleans Baptist Theological Seminary, New Orleans, Louisiana
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American Chemical Society

Initial Accreditation	Capital University, Columbus, Ohio East Tennessee State University, Johnson City Fairleigh Dickinson University, Rutherford and Teaneck, New Jersey Gustavus Adolphus College, St. Peter, Minnesota Hobart and William Smith Colleges, Geneva, New York Luther College, Decorah, Iowa Marietta College, Marietta, Ohio University of Portland, Portland, Oregon Western Washington State College, Bellingham Westminster College, New Wilmington, Pennsylvania
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Engineers' Council for Professional Development

Initial Accreditation of Curricula	Arlington State College, Arlington, Texas (electrical) California State College at Los Angeles (engineering) University of California, Davis (agricultural, civil, electrical, mechanical) Fresno State College, Fresno, California (electrical, mechanical) Gannon College, Erie, Pennsylvania (electrical, mechanical) Sacramento State College, Sacramento, California (civil, mechanical) Tuskegee Institute, Tuskegee, Alabama (electrical, mechanical) State University of New York at Stony Brook (engineering science)
Additional Curricula Accredited	State University of New York at Buffalo (aero-space, electrical, engineering science) Case Institute of Technology, Cleveland, Ohio (materials [op. in metallurgy], engineering) Columbia University, New York, New York (nuclear) Dartmouth College, Hanover, New Hampshire (engineering)

NEWLY ACCREDITED SCHOOLS, continued

Fairleigh-Dickinson University, Teaneck, New Jersey (mechanical)
University of Florida, Gainesville (engineering sciences, metallurgical)
Iowa State University, Ames, Iowa (engineering science)
Michigan Technological University, Houghton (mineral engineering (op. metallurgical, physical metallurgy, op. in metallurgical))
North Carolina State University at Raleigh (nuclear)
Stanford University, Stanford, California (aeronautics and astronautics--master's, engineering science, general engineering)
Texas Technological College, Lubbock (engineering physics, chemical)
Texas Western College, El Paso (civil, electrical)
University of Tulsa, Tulsa, Oklahoma (mechanical)
Washington University, St. Louis, Missouri (environmental engineering--master's)
University of Wisconsin, Madison (engineering mechanics, nuclear)

Society of American Foresters

Initial	Virginia Polytechnic Institute, Blacksburg
Accreditation	Washington State University, Pullman

SPECIAL DEDUCTION OF SUMMER INSURANCE PREMIUMS FOR ACADEMIC FACULTY: REPEAT ANNOUNCEMENT

Arrangements have been made by the Accounting Division to deduct regular group insurance premiums for the months of May, June, and July from the salary check to be issued on May 14 to each member of the faculty who is paid on the academic-year basis. The August premium will be deducted from the check due August 31.

Any member of the teaching faculty who will not return for the 1966-67 session may continue his insurance coverage through August 31, if he so desires, by delivering a check in the correct amount to Mr. W. J. Stamey in the Personnel Office prior to May 1, 1966. The check (or checks) should be payable to the insuring organization, not to Clemson University.

Any member of the teaching faculty who desires to cancel or reduce his insurance coverage effective in May, June, or July must forward a written authorization to Mr. Stamey not later than April 30, 1966.

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The May 7, 1966, College Board Examinations will be the last test date on which the Clemson University CEEB Center will operate. Beginning with the July 9, 1966, administration, CEEB testing in this area will be accomplished at Daniel High School.

April 20, 1966

Members of the Academic Faculty
Clemson University

In order to bring the Constitution and By-Laws of the Academic Faculty and Faculty Senate into harmony with the new academic calendar which was instituted this year, and also to make specific provision for prompt Senate representation of newly-established schools or colleges at the University, the Faculty Senate passed the following resolution on January 13, 1966. The resolution will be presented for the approval of the Academic Faculty at the May 13 meeting of that body.

J. M. Stepp, President of Faculty Senate

* * * * *

RESOLVED: That Article 11, Section 6, Paragraphs 1 and 2 of the Constitution of the Clemson University Academic Faculty and Faculty Senate be amended as follows:

Paragraph 1: "September" replaced by "August"
"May" replaced by "April"

Paragraph 2: "June, July and August" replaced by "May, June and July"

RESOLVED: That the By-Laws of the Clemson University Academic Faculty and Faculty Senate be amended as follows:

Article 11, Section 1, Paragraph 2:
"March" replaced by "February"; "April" replaced by "March"

Article 11, Section 1, Paragraph 3:
"April" (2nd occurrence) replaced by "March";
"May" replaced by "April"

Article 11, Section 2, Paragraph 1: "May" replaced by "April"

Article 11, Section 2, Paragraph 5: "May" replaced by "April"

Article 11, Section 3:

Replace "The Faculty Senate shall hold its first regular monthly meeting on the first Thursday in September at 4:15 p.m., and shall hold its regular meetings, thereafter, at such times as designated by the Committee on Committees. The Committee on Committees will announce the schedule of meetings for the year at the September meeting." by

"The date and time of each regular monthly meeting of the Faculty Senate shall be determined by the Committee on Committees elected for that year. The schedule of the meetings for the year will be announced one month before the August meeting."

Article 11, Section 1: After Paragraph 2, add the following:

"When a new school or college is officially established it shall be entitled to representation in the Faculty Senate as soon as an election can be held. Such an election shall be conducted according to the rules governing the election of additional members allocated to existing schools or colleges."

IN-STATE OUT-STATE STUDENT MIGRATION FIGURES

New Jersey is more dependent on other states to educate its own youth than any of the other states. Interesting figures have been compiled in the report prepared for Governor Hughes of New Jersey by a Committee charged to make a broad study of higher education in the state.

The committee has been composed of Carroll V. Newsom, chairman, former president of New York Univ.; James B. Fisk, President of Bell Telephone Labs; James Hillier, Vice President of RCA Labs; Millicent C. McIntosh, former president of Barnard Coll., and James A Perkins, President of Cornell Univ.

The following tabulation shows the net migration of students taking work creditable towards a bachelor's degree or higher degree. Those with plus signs (+) indicate how many more students are accepted from other states than it sends out of state. Massachusetts leads the list with 25,662 more acceptances than departures to institutions in other states. Conversely, New Jersey sends 56,507 more students to out of state colleges than it accepts from out of state.

Following is the tabulation:

Massachusetts.....	+25,662	Alabama.....	- 722
Indiana.....	+20,361	Wyoming.....	- 827
North Carolina.....	+14,587	North Dakota.....	- 1,012
Utah.....	+12,034	Arkansas.....	- 1,187
California.....	+12,031	Alaska.....	- 1,414
Tennessee.....	+10,935	Montana.....	- 1,446
Missouri.....	+10,365	Delaware.....	- 1,540
Colorado.....	+8,580	Nevada.....	- 1,559
Michigan.....	+8,232	Idaho.....	- 2,742
Ohio.....	+8,219	Hawaii.....	- 3,050
Iowa.....	+6,608	Florida.....	- 8,612
Wisconsin.....	+6,281	Maryland.....	- 9,617
Texas.....	+5,541	Vermont.....	- 10,200
Vermont.....	+4,859	Connecticut.....	- 13,018
Kentucky.....	+4,700	Illinois.....	- 20,796
Arizona.....	+3,963	New York.....	- 36,232
Nebraska.....	+3,812	New Jersey.....	- 56,507
Oklahoma.....	+3,668		
Oregon.....	+3,247		
New Hampshire.....	+3,135		
Kansas.....	+3,039		
West Virginia.....	+2,997		
Louisiana.....	+2,934		
Minnesota.....	+2,511		
Rhode Island.....	+2,427		
South Carolina.....	+2,194		
Washington.....	+1,908		
Mississippi.....	+1,102		
Pennsylvania.....	+1,102		
Georgia.....	+1,000		
New Mexico.....	+ 613		
Maine.....	+ 377		
South Dakota.....	+ 309		

CLEMSON UNIVERSITY
OFFICE OF ADMISSIONS AND REGISTRATION

March 31, 1966

Course Preferences of Candidates for Admission in May and August 1966

<u>Major Course</u>	<u>Accepted Candidates</u>		<u>Other Active</u>		<u>Total</u>
	<u>Men</u>	<u>Women</u>	<u>Candidates</u>		
Agriculture	13	2	20		35
Agriculture Economics	2	0	6		8
Agriculture Engineering	13	1	7		21
Agronomy	4	0	6		10
Animal Science	2	0	6		8
Biology	27	11	28		66
Dairy Science	1	0	2		3
Entomology	0	0	4		4
Food Science	2	0	3		5
Forestry	40	0	56		96
Horticulture	0	0	6		6
Poultry Science	1	0	1		2
Pre-Veterinary	27	5	17		49
	<u>132</u>	<u>19</u>	<u>162</u>		<u>313</u>
	11.2%	14.3%	15.0%		13.1%
Architecture	67	5	88		160
Building Construction	3	0	7		10
	<u>70</u>	<u>5</u>	<u>95</u>		<u>170</u>
	5.9%	3.8%	8.8%		7.1%
Arts & Sciences	78	34	171		283
Chemistry	36	4	19		59
Geology	5	1	2		8
Mathematics	53	25	38		116
Medical Technology	1	7	11		19
Physics	20	3	9		32
Pre-Medicine	76	13	50		139
Pre-Pharmacy	9	1	3		13
	<u>278</u>	<u>88</u>	<u>303</u>		<u>669</u>
	23.5%	66.2%	28.0%		27.9%
Agriculture Education	8	0	2		10
Elementary Education	0	0	5		5
Industrial Education	5	0	1		7
Rec. & Parks Administration	2	0	3		5
Science Teaching	0	0	0		0
Secondary Education	10	8	12		30
	<u>26</u>	<u>8</u>	<u>23</u>		<u>57</u>
	2.2%	6.0%	2.1%		2.4%
Engineering	196	2	101		299
Ceramic Engineering	18	0	4		22
Chemical Engineering	59	1	19		79
Civil Engineering	93	0	64		157
Electrical Engineering	104	0	58		162
Mechanical Engineering	70	1	49		120
Metallurgical Engineering	1	0	3		4
	<u>541</u>	<u>4</u>	<u>298</u>		<u>843</u>
	45.8%	3.0%	27.5%		35.2%
Industrial Management	102	0	124		226
Textile Chemistry	4	0	6		10
Textiles	16	1	32		49
	<u>122</u>	<u>1</u>	<u>162</u>		<u>285</u>
	10.3%	0.7%	15.0%		11.9%

COURSE PREFERENCES OF CANDIDATES FOR ADMISSION IN MAY AND AUGUST 1966 (Continued)

Nursing	0		4		5		9	
Sumter Center	12		4		32		48	
Greenville Center	0		0		2		2	
	<u>12</u>	1.0%	<u>8</u>	6.0%	<u>39</u>	3.6%	<u>59</u>	2.5%
Total Expressing Major Course Choice	1181		133		1082		2396	
Undecided	<u>106</u>		<u>14</u>		<u>108</u>		<u>228</u>	
GRAND TOTAL	1287		147		1190		2624	

Additional applications processed: 649 cancellations of which 546 were accepted before canceling, and 629 rejections. The grand total of applications processed is, therefore, 3902.

ADDITION TO LANGUAGE FACULTY

Herbert L. Laws, Jr. will join the Modern Languages faculty in August as an instructor. A native of Alex City, Alabama, he has the B.A. degree from Presbyterian College, the M.A. from the University of Tennessee, and is a candidate for the Ph.D. at the University of Tennessee.

He has five years teaching experience, two of them at Clemson during 1962-64. His wife, the former Sheila Young, is from Cleveland, Tennessee.

ADDITION TO FACULTY IN MATHEMATICS

Alan S. Cover of Tucson, Arizona will join the faculty in mathematics in August as an assistant professor. He has the B.S. from Indiana State College, the M.A. and Ph.D. from Pennsylvania State University. His teaching experience includes three years as a graduate assistant at Pennsylvania State and two years as an assistant professor at the University of Arizona where he is presently employed.

PERSONAL MENTION

--Malcom J. Skove (Phys) has been awarded a Fulbright-Hays grant to lecture next year at the Haile Selassie I University in Addis Ababa, Ethiopia.

--H. B. Wilson (IM-TS) visited Textile plants in Germany, France, Belgium and England, February 2-31, as a Textile aid of M. F. Watterson Company.

--Clayton Aucoin (Math) has been elected chairman of the Southeastern Section, American Mathematics Association.

--W. C. Mickelberry (Food Sci & Biochem) was elected 1966-67 Chairman of the Dixie Section Institute of Food Technologists at a meeting in Atlanta, March 18. At the same meeting, A. L. Shewfelt (Food Sci & Biochem) was elected Program Chairman.

PERSONAL MENTION, continued

--J. C. Mullins (Chem Engr) has been awarded a duPont summer research grant, with tenure at Clemson.

--E. J. Lease (Food Sci & Biochem) has resigned his position and will begin work at the University of South Carolina after the end of the current fiscal year.

--J. A. Gilreath (Phys) has been granted an extension of his leave to do graduate study at the University of North Carolina.

--Ernst Peutl (German), who has been visiting professor at Clemson for the past year, will return to Germany at the conclusion of the current academic year.

--L. G. Rich (enr) was chairman of a session at the University of Texas lecture series on Water Quality Improvement, April 4-7. W. B. Barlage (chem engr) presented a paper at the series.

--Dr. H. G. Spencer (chemistry) has received a grant from NIH for a research project entitled "Penetrant Clustering and Diffusion in Membranes." The grant, for \$23,750, is for a three-year period.

--J. C. Mullins (Che E) has been awarded an NSF Research Grant in the amount of \$12,451 to study high pressure phase equilibria in multi-component systems.

--Melvin K. Richardson (EM) presented a paper entitled "A Numerical Method for the Conformal Mapping of Finite Doubly Connected Regions" at The Third Southeastern Conference on Theoretical and Applied Mechanics held at The University of South Carolina on April 1.

--John F. Andrews (CE) participated in the March 23-24 meeting of the American Chemical Society, Division of Water Chemistry, held in Pittsburgh.

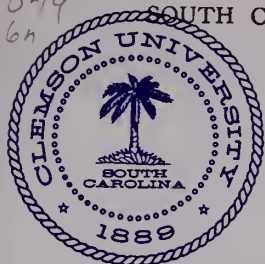
--Andrew Sobczyk, T. G. Proctor and Joel Brawley (Math) and Robert Silber, a graduate student in math, presented papers at the March 25-26 meeting of the SE Section of the American Mathematics Association. W. R. Hare and J. W. Kenelly presented a jointly authored paper.

--The following from the Department of Chemistry and Geology are listed on the program for the Thirty-ninth Annual Meeting of the S. C. Academy of Science, April 22-23: J. G. Dinwiddie, R. A. Isaac, F. I. Brownley, Jr., R. H. Bailey, Jr.,

G. B. Savitsky, H. G. Spencer, N. P. Marullo, R. A. Lloyd, T. Kamiya, J. W. Huffman, and J. H. Cecil.

--C. A. Burleson (Agron) has resigned his Associate Professorship to accept employment as manager of the field division, plant control area, the Ansul Company.

--E. M. Corley (AgEc), Lewis Hill (econ) and Hugh McGarity (Music) acted as judges in the Trustee's Medal (public speaking) contest, April 4, in Tillman Hall.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 17

May 1, 1966

MAY 17 1966

CALENDAR: MAY 1-19

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|--------|-----|---|
| May 1 | S | Rev. C. Middlebrooks will lecture on the Philosophy of Technology. 6:30 p.m., Baptist Church. |
| May 2 | M | Installation of The Clemson Chapter, The Society of The Sigma Xi will be held in the outdoor amphitheater at 3 p.m. In case of rain, the ceremony will be held in Tillman Hall. Students and faculty members are invited to attend. |
| May 2 | M | President Edwards will host a reception for members of Sigma Xi and their wives, visiting delegates, and new initiates. Clemson House, 6:30 p.m. |
| May 2 | M | Sigma Xi Annual Banquet, Clemson House. Dr. Farrington Daniels, University of Wisconsin, will speak on "Direct Use of the Sun's Energy." 7:30 p.m. |
| May 3 | T | Regular meeting, Academic Faculty Senate. 4:15 p.m., Room 1, Physics. |
| May 3 | T | Sage Club, 6:30 p.m., Clemson House. |
| May 4 | W | Laicos Club, 8:15 p.m., Clemson House. |
| May 4 | W | Newcomers Club, 8 p.m., Clemson House. Bridge Group. |
| May 5 | Th | Woman's Club Mad Hatter's luncheon, 1 p.m. Clemson House. Tickets \$2.50 per person. |
| May 7 | S | MAY MORNING BREAKFAST, sponsored by Clemson Chapter of Winthrop Daughters, from 7 to 10 a.m. in the Sabre Room of the Clemson House. Tickets are \$1.25, and the public is cordially invited to attend. |
| May 8 | Sun | C. Q. Brown (geol) will lecture on the Philosophy of Geology. Clemson Baptist Church, 6:30 p.m. |
| May 9 | M | Greenville Little Symphony Orchestra, 8:15 p.m. Tillman Hall. Admission free. |
| May 9 | M | Forum Club, 7 p.m. Chemistry Bldg. Conference Room. |
| May 11 | W | Graduate wives bridge group. 8 p.m. Clemson House. |
| May 11 | W | Newcomers Club, 8 p.m. Clemson House. Gourmet group. |
| May 11 | W | Meeting of the University Research faculty. P&AS Auditorium. 4 p.m. |
| May 13 | F | Meeting of the University Academic faculty. Chemistry Auditorium, 11 a.m. |

CALENDAR Continued

May 13-14 F,S ACC Tennis Tournament at Clemson; ACC Golf meet at Clemson.
May 14 S Graduation exercises.
May 16 M Baseball: Clemson v. N. C. State.
May 18 W Newcomers Club, 8 p.m. YMCA. Handicraft group.
May 19 Th Baseball: Clemson v. Univ. of South Carolina.

ATHLETIC SEASON TICKET APPLICATION FORMS FOR THE 1966-67 SEASON

Athletic season ticket application forms for the 1966-67 season have been sent to deans and directors for distribution to faculty and other employees of Clemson. Anyone who has not received an application should contact his dean or director or call the Athletic Ticket Office at extension 276. Priority for faculty and employees expires on May 12. Those leaving Clemson for the summer should be sure to complete applications prior to departing.

SUMMER RENTALS

Faculty and staff members interested in subleasing their furnished homes or apartments during the summer sessions are requested to list them with the Housing Office as soon as possible and until May 15.

A number of High School teachers and other faculty members attending classes at Clemson during the summer are anxious to sublease furnished apartments so their families can accompany them.

Phone--Ext. 343 or 347.

ENGLISH TEACHER TO JOIN SUMTER FACULTY

Miss Irene Yates of Sumter will join the Sumter campus faculty in August as an instructor in English. She has the A.B. from Winthrop, the M.A. from the University of Virginia, and has done additional graduate study at the University of North Carolina and Columbia University. She is currently teaching English in the Sumter area high school. In 1947-48 she was an exchange teacher in England. In addition to her teaching experience she has done editorial work with Houghton-Mifflin.

TO ALL FACULTY PARTICIPATION IN 1966 COMMENCEMENT

1. The Faculty will meet in the hall of Main Building at 4:15 p.m. Saturday, May 14. Please report directly to your school or college marshal as indicated below:

Platform Party - Walk in front of Main Building

Agriculture: Dr. J. M. Stepp - South hall of 1st floor, Main Building

Engineering: Prof. I. A. Trively - North hall and porch of Main Building

Textiles: Prof. T. A. Campbell - Aisle next to stage in Auditorium

Arts and Sciences: Dr. L. D. Huff - Main aisle in Auditorium

Architecture: Prof. G. E. Means - On stage of Auditorium

Education - Prof. J. L. Brock - Walk by President's Office

2. The Faculty are requested to observe certain uniformities respecting the clothing worn with academic attire:
 - a. Women should wear dark dresses and dark shoes with low or medium heels. Men should wear dark shoes and preferably dark trousers. Coats need not be worn except in the case of those wearing Master's gowns; dark coats or blouses with dark sleeves are needed with these.
 - b. Caps should be worn with the long point to the rear; the tassel should be hanging forward to the left.
 - c. Faculty and candidates should march in an orderly and dignified fashion, maintaining an interval of one arm's length from the person in front.

PROFESSOR McKENNA RETIRES

Professor Arthur E. McKenna (textiles) will retire from the faculty at the close of the academic year after 41 years as a teacher in the Weaving and Designing Department. For many years he was head of that department. Since 1964 he has been Senior Professor, IM-TS.

Professor McKenna joined the University faculty in 1925 following three years employment by the textile industry in Rhode Island. A native of Barrington, Rhode Island, he is a graduate of the Rhode Island School of Design, has the B.S. degree from Clemson and the M.S. degree from the University of Tennessee. He is a member of Phi Psi, Iota Lambda Sigma, and a number of civic and professional groups. He has been author of several articles on textile machinery and textile manufacturing processes.

FORESTRY FACULTY ADDITION

Anders E. Lund of Monroeville, Pennsylvania will join the research and teaching faculties in forestry in July as an Associate Professor. He has the B.S. from Colorado State University and the M.F. and D.F. degrees from Duke. In addition to laboratory assistant and teaching experience at Duke, he has been employed by the U.S. Forest Products laboratory and by Koppers Company where he is currently Senior Scientist. He is a member of Sigma Xi and numerous professional associations.

FACULTY SENATORS ELECTED

Colleges and Schools elected Senators in April to replace those whose terms and this year. The new Senators will have three year terms.

Newly elected Senators and those whose terms will end are:

--in IM-TS:

J. H. Marvin (tex) to replace T. A. Campbell (tex).

--in Engineering:

D. W. Bradbury (ME) to replace W. Ball (EE).

Robert Nowack (EE) to replace A. D. Lewis (ME).

--in Arts & Sciences:

S. M. Lukawechi (math) to replace J. G. Dinwiddie (chem).

Max Miller (phys) to replace John Miller (phys).

R. F. Mixon (mod. lang) to replace C. A. Reed (phys).

Eugene Park (math) to replace J. R. Sullivan (math).

--in Agric. & Biol. Sciences:

J. K. Reed (ento) to replace A. L. Shewfelt (biochem).

--in Education:

H. H. McGarity (music) to replace M. A. Packer (educ).

FACULTY ADDITION IN AGRICULTURAL ENGINEERING

James T. Ligon of Lexington, Kentucky will join the academic and research faculties in July as Associate Professor of Agricultural Engineering. He has the B.S. degree from Clemson and the M.S. and Ph.D. degrees from Iowa State where he was an NSF fellow.

His teaching and research experience includes two years at Iowa State and four years at the University of Kentucky where he is presently employed. He has had special experience at Kentucky in water resources work and has been author or co-author of a dozen printed research studies. He is a member of Phi Kappa Phi, Alpha Zeta and Sigma Xi in addition to professional engineering organizations.

Dr. Ligon is married to the former Martha Craig of Pendleton and they have three children.

NURSING DEPARTMENT ADDS PROFESSOR

Miss Dorothy Jane Powell of Lumberton, N. C. will join the faculty in nursing on July 1 as a professor. She has a nursing diploma from the Erlanger Hospital School of Nursing (Chattanooga, Tenn.), a B.S. degree from Siena College in Memphis, and a M.A. from Memphis State University. She has had nine years of experience in nursing education and is currently director of the program at SE General Hospital School of Nursing in Lumberton. In addition to teaching experience, Miss Powell has been a staff nurse and nursing supervisor at Oak Ridge and Memphis, Tennessee.

CURRICULA AVAILABLE AT CLEMSON UNIVERSITY: APRIL, 1966

UNDERGRADUATE FIELDS	GRADUATE FIELDS	GRADUATE DEGREES OFFERED
Agricultural economics	Agricultural economics.....	M.S., Ph.D.
Agricultural education	Agricultural education.....	M.Ag.Ed.
Agricultural engineering	Agricultural engineering.....	M.S.
Agronomy	Agronomy.....	M.S., Ph.D.
Animal Science	Animal physiology.....	Ph.D.
Architecture ¹	Animal science.....	M.S.
Arts and sciences ²	Architecture.....	M.Arch.
Biology	Bio-engineering.....	M.S., Ph.D.
Building construction ¹	Ceramic engineering.....	M.S.
Ceramic engineering	Chemical engineering.....	M.S., Ph.D.
Chemical engineering	Chemical physics.....	Ph.D.
Chemistry	Chemistry.....	M.S., Ph.D.
Civil engineering ³	Civil engineering.....	M.S., Ph.D.
Dairy science	Dairy science.....	M.S.
Electrical engineering	Economics.....	M.A.
Elementary education	Electrical engineering.....	M.S., Ph.D.
Entomology	Engineering management.....	Ph.D.
Food Science	Engineering mechanics.....	M.S., Ph.D.
Forestry	English.....	M.A.
Geology	Entomology.....	M.S., Ph.D.
Horticulture	Environmental Systems engineering.	M.S., Ph.D.
Industrial education	Forestry.....	M.S.
Industrial management	History (U.S.).....	M.A.
Mathematics	Horticulture.....	M.S.
Mechanical engineering	Industrial education.....	M.Ind.Ed.
Medical technology ⁴	Industrial management.....	M.S.
Metallurgical engineering	Materials engineering.....	Ph.D.
Nursing ⁶	Mathematics.....	M.S., Ph.D.
Physics	Mechanical engineering.....	M.S., Ph.D.
Poultry science	Microbiology.....	M.S.
Pre-medicine (& Pre dental)	Nutrition.....	M.S., Ph.D.
Pre-pharmacy	Physics.....	M.S., Ph.D.
Pre-veterinary	Plant pathology.....	M.S., Ph.D.
Recreation & Park Adminis- tration	Plant physiology.....	M.S.
Science teaching	Poultry science.....	M.S.
Secondary school teaching	Secondary school teaching ⁷	M.Ed.
Textile chemistry	Textile chemistry ⁵	M.S.
Textiles	Water resources engineering.....	M.S., Ph.D.
	Zoology.....	M.S., Ph.D.

1. five-year curricula.

2. B.S. and B.A. degrees.

3. four and five-year curricula.

4. four-year degree in cooperation with Greenville, Anderson and Spartanburg General Hospitals.

5. Ph.D. offered as a major field in the Chemistry Department.

6. Two-year program leading to the Associate in Science Degree.

7. Offered in English, history, mathematics and science.

FACULTY SALARIES: AAUP LISTING

The AAUP college and university faculty salary ratings for the current year list Clemson as a "C" institution on an AA-A-B-C-D-E-F-G scale. Our average faculty pay for nine months, including allowable fringe benefits (Social Security payment) is \$9504.

Institutions ahead of us in the region served by the Southern Association of Colleges and Schools are:

<u>School</u>	<u>Average Salary</u>
Duke	\$12,245
Texas U	12,052
UNC	12,002
U. Va.	11,613
Vanderbilt	11,451
Davidson	10,614
Ga. Tech	10,541
U. of the South	10,531
U. Ga.	10,512
Tulane	10,462
Florida Presby.	10,285
Emory	10,230
V.P.I.	10,120
Univ. of Louisville	10,096
Texas Tech	10,039
N. C. State	10,022
Florida Atlantic	9,984
Texas A&M	9,973
Florida State	9,931
L.S.U.	9,888
SW at Memphis	9,783
Univ. of Fla.	9,781
East Texas State	9,724
Univ. of Ala.	9,621
Univ. of Ark.	9,583
Univ. of Md.	9,574
<u>Clemson</u>	9,504

Thus, we stand 27th in a list of 253 four-year accredited Southern region colleges and universities.

NEW MEMBERS ELECTED TO RESEARCH FACULTY COUNCIL

Research Faculty Council members whose terms end this year have been replaced through special elections held in April. New Council members, elected for three year terms, are:

J. J. Porter (TC)
L. O. VanBlaricom (hort)
W. P. Byrd (exp. stat)
R. C. Fox (ento)

NOTES ON THE LITERATURE OF HIGHER EDUCATION

--The Ph.D. has been the subject of editorial interest recently. The March Fortune points out the impact on Ph.D. production (and retention) on the economy of an area. A Ph.D. trained by a state and then lost to another area represents a \$50,000 loss of investment capital. The Midwest has this problem on the largest scale. The Baltimore News-American for February 9 reports that the Ph.D. costs its owner 10.7 years and \$34,000. Twenty per cent of Ph.D.s surveyed in 37 Indiana colleges had ulcers or other nervous disorders. The high school dropout problem is nothing when compared to that of the graduate schools. In the grad schools, it might be as high as 50 per cent with the humanities the worst offenders. New York Times, February 6. Business Week, January 8, says that industry is once again attracting large numbers of Ph.D.s from faculties.

--Student rebellion is not restricted to Berkeley or the USA. On February 1, the Baltimore Sun reported that 8,000 students of Algiers University were on strike against Hourari Boumedienne's government. On February 2, the same paper reported that schools and colleges in Kerala State of India were closed in the face of riots by students protesting the acute shortage of food in the area. The students stoned trains and buses and attacked a telephone exchange in 400 man strength. On February 5, the New York Times reported that 1,000 Indonesian students demonstrated in front of both the American and Chinese embassies in Jakarta. They wanted the Americans to stop bombing North Vietnam and they wanted the Red Chinese to stop sheltering Indonesian communists. The same day, the Baltimore News American reported Madrid police bracing for an expected student demonstration against the U. S. Embassy. This protest was over the lost H-bomb in Spain. On February 8, the New York Times reported on a split in the Canadian students national organization with its roots in the Quebec separatist movement. On the 10th, the same paper reported Polish students verbally assailing the educational bureaucracy at a national meeting of the Association of Polish Students. On the 12th, the Baltimore Sun noted the arrest of six Bonn students who participated in a protest against American involvement in Vietnam. On the 20th, the Washington Post printed pictures of Australian students in Canberra holding an anti-American protest for the benefit of Vice-President Humphrey. No academic field escapes the righteous wrath of the reformer. It was only a matter of time before a committee would look into the affairs of the schools of architecture in the country. The report is in the February 20, New York Times. Long Island University has joined the ranks of the users of paid advertising with a sixteen page color insert in the February 6, New York Herald Tribune...

--The March issue of Holiday is "in pursuit of culture" and the colleges and the universities are very much in the game. For example, it is amazing to realize that there are more than 900 courses in the motion picture now being taught to somebody in various colleges.

--The February 19 issue of School and Society has an article expressing the hope that faculty will look kindly on administration. The article suggests that administrators do useful work.

--Time for February 11 lists fourteen college presidents which it claims form an "informal interlocking directorate" of higher education. The February 8 Wall Street Journal estimates that 250 colleges will seek presidents this academic year.

GIFTS AND GRANTS

--From Hercules Powder Company, \$1,000 to the Horticulture Department for research in fertilization.

--From the Olin Mathieson Chemical Company, \$750 to the Botany Department for research to be conducted by Dr. C. W. Blackmon at the Edisto Station.

--From the Thomas J. Lipton Company, \$4,000 to the Truck Station for the study of tea plants.

--From the Diamond Alkali Company, \$1,000 to the Edisto Station for research involving soil fungicide investigations for control of seedling diseases in cotton.

--From Hercules Powder Company, \$2,500 to Chemical Engineering for unrestricted use.

--From the S. C. Poultry Improvement Association, \$1,400 to Poultry Science for fowl cholera research.

--From Pioneer Corn Company, \$450 to the Pee Dee Station for testing of hybrid corn.

--From Diamond Alkali Company, \$500 to Horticulture for turf research.

--From the Southern Forest Disease and Insect Research Council, \$700 to Botany for plant pathological research.

--From the Carolinas Golf Course Superintendents Association, \$250 to Horticulture for turf research.

--From NSF, \$12,500 to J. C. Mullins (chem engr) for research entitled "Determination of the Benedict-Webb-Rubin Constants for Oxygen and the Prediction of Phase Equilibria in the Argon-Oxygen-Nitrogen System."

--From the Monsanto Company, \$1,000 to chemical engineering and \$1,000 to textiles for student assistance.

PERSONAL MENTION

--L. G. Rich (enr) participated in a Public Health Agency Site Visit at Chapel Hill, N. C., April 17-19.

--F. I. Brownley (chem) was a member of the Southern Association of Colleges and Schools Committee visiting Florida Southern on April 17-20.

--K. Lehotsky (forestry) has been appointed a member of the editorial board of Catalyst, a Baruch Foundation magazine.

--C. B. Loadholt (exp. stat.) will be on academic leave after September 1 doing doctoral work at VPI.

--W. C. Godley, R. L. Wilson (An. Sci.) and Victor Hurst (grad. school) are co-authors of a study on the reproductive performance of Ewes, in Journal of Animal Science, February, 1966.

PERSONAL MENTION Continued

--W. C. Capel (Soc.) presented a paper ("The More Things Change the More They Remain the Same: A Study of Attitudes Through a Time Continuum") at the Southern Sociological Association meeting in New Orleans, April 7-9.

--Marilyn Risko (mod lang) has resigned her assistant professorship, effective May 15, to work for her doctorate.

--B. P. Bardes (Met E) was lecturer for the Society for Nondestructive Testing in Charleston on April 11.

--James A. Chisman, (I.E.) is author of an article, "Using Linear Programming to Determine Time Standards," in the April issue of the Journal of Industrial Engineering.

--Cyril O. Shuler (I.M.) spoke on "Some Estimates of the Cost of the Minimum Wage Law to South Carolina Hospitals" at the meeting of the S. C. Academy of Science at Presbyterian College, April 22-23, at the same meeting Nokyoan Kwak (I.M.) spoke on "An Application of Linear Programming to Decision Making" and Sang O. Park (I.M.) spoke on "Analysis of the Recent Changes in South Carolina's Personal Income."

--R. D. Shannon (Econ.) has completed the requirements for his Ph.D. degree in economics at Tulane University, and will be awarded the degree at the June commencement.

--C. B. Green (English) and E. P. Stillwell (Phys) participated in a state conference at Winthrop, April 15-16, on the "Teaching of Honors."

--Wesley Witcher (bot) was elected chairman of the Forest Pest Committee of the Southern Appalachians at the annual meeting held in Asheville, N. C.

--L. O. VanBlaricom (hort) has been re-elected secretary-treasurer of the S. C. Frozen Food Locker Association.

--C. E. Littlejohn was a member of an ECPD Team which inspected LSU on April 18, 19.

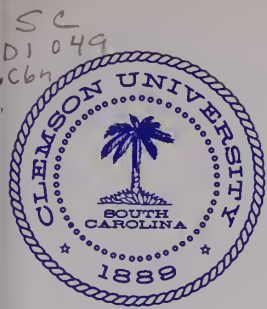
--F. C. Alley and G. F. Meenaghan presented papers before the S. C. Academy of Science meeting on April 22, at Presbyterian College.

--R. J. Calhoun, H. M. Cox, and C. B. Green (English and R. S. Lambert and E. M. Lander (History) participated in the meeting of the Southeastern American Studies Association at the University of Georgia, Athens, April 22-23. C. B. Green was elected Vice-President for 1966-68.

--L. E. Hill (Econ.) read "The Scientific Method in Economics and the Natural Science Analogy," at the South Carolina Academy of Science, April 23.

--B. R. Skelton (Econ.) read "Theories of the Origin and Development of Labor Unions," at the South Carolina Academy of Science, April 23.

--Stanley Baff (Econ.) has resigned to accept a position at Northeast Louisiana State College.



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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 5 No. 18

May 15, 1966

MAY 25 1966

CALENDAR: MAY 15-AUGUST 20

- | | | |
|---------------------|--------------|---|
| May 16 | M | Baseball: Clemson v. N. C. State. |
| May 17 | T | Research Faculty Council meeting: 101 Physics, 4 p.m. |
| May 18 | W | Newcomers Club, 8 p.m. YMCA. Handicraft group. |
| May 18 | W | Laicos Club, 8:15 p.m. Clemson House. Bridge group. |
| May 19 | Th | Baseball: Clemson v. Univ. of South Carolina. |
| June 1 | W | Newcomers Club, 8 p.m. Clemson House. Bridge group. |
| June 10, 11
& 12 | F, S
Sun. | Alumni Reunions on Campus. |
| 10 | F | <u>Alumni Reunions</u> : Clemson Foundation Trustees Meeting, Purple Room, Clemson House, 9:30 - 12:00 a.m. |
| 10 | F | Joint Luncheon - National Council and Foundation Trustees, Gold Room, Clemson House, 12:30 - 1:30 p.m. |
| 10 | F | Luncheon - Wives of Clemson Foundation Trustees and Alumni National Councilmen, Blue Room, Clemson House, 12:30 - 1:30 p.m. |
| 10 | F | Alumni National Council Meeting, Purple Room, Clemson House, 2:30 - 4:30 p.m. |
| 10 | F | Campus Movies - This is Clemson, College Bowl, Visitors' Lounge, Student Center, 2:30 - 4:30 p.m. |
| 10 | F | President's Reception for alumni, faculty wives and guests, President's Home, 8:00 - 10:00 p.m. |
| June 11 | S | <u>Alumni Reunions</u> : Ladies Reception for wives of alumni and their guests, Student Center Lounge, 10:00 - 11:00 a.m. |
| 11 | S | Alumni Seminar, Chemistry Building Auditorium, 2:00 - 3:00 p.m. |
| 11 | S | Alumni General Assembly, Chemistry Building Auditorium, 3:00 - 4:00 p.m. |
| 11 | S | Alumni Banquet, University Dining Room, 7:00 - 9:00 p.m. |
| June 15 | W | Laicos Club, 8:15 p.m. Clemson House. Bridge group. |

CALENDAR Continued

June 21	T	Research Faculty Council meeting: 101 Physics, 4 p.m.
June 29	W	Laicos Club, 8:15 p.m. Clemson House. Bridge group.
July 5-6	T,W	Registration and matriculation, 2nd summer session.
July 6	W	Newcomers Club, 8 p.m. Clemson House. Bridge group.
July 20	W	Laicos Club, 8:15 p.m. Clemson House. Bridge group.
Aug. 3	W	Newcomers Club, 8 p.m. Clemson House. Bridge group.
Aug. 16	T	Academic year 1966-67 begins.
Aug. 17-18	W-Th	Orientation for new faculty.
Aug. 17	W	Laicos Club, 8:15 p.m. Clemson House. Bridge group.
Aug. 19	F	Faculty and staff meet in Brackett Hall, 10:30 a.m.
Aug. 19-20	F,S	Matriculation, new and returning students.

NOTE ON PUBLICATION OF NEWSLETTER DURING THE SUMMER

The Newsletter will not be printed during the months of June and July. The first issue for the 1966-67 academic year is scheduled for August first.

SUMMER SESSIONS 1966

First Session

(Classes meet Monday-Saturday)

Matriculation, new students	Monday	May 30
Matriculation and registration	Tuesday	May 31
Classes begin	Wednesday	June 1
Examinations	Friday	July 1

Second Session

(Classes meet Monday-Friday except as indicated)

Matriculation and registration	Tuesday	July 5
Classes begin	Wednesday	July 6
Classes meet	Saturday	July 9
Examinations	Wed., Thurs.	August 10, 11
Faculty meeting to consider candidates for grad.	Saturday	August 13
Graduation	Saturday	August 13

ALUMNI REUNION WEEKEND: RECEPTION, SEMINAR, BANQUET

Clemson faculty and staff and their wives are invited to attend an informal reception at the President's Home, Friday evening, June 10, from 8:00 to 10:00 p.m. President and Mrs. Edwards will be hosts to visiting alumni, their wives and guests, who will be on campus for reunion activities June 10, 11 and 12. Faculty and staff are invited to join in the activities whenever they can.

Two Clemson movies will be shown in the air conditioned visitor's lounge, Friday afternoon, June 10. You may come and go as you wish, seeing one or both movies. The program will include: "This is Clemson," and NBC-TV's "College Bowl" (Clemson vs Fairfield University).

The fifth annual Alumni Seminar will be conducted this year on Saturday afternoon, June 11 at 2:00 p.m. in the Chemistry Auditorium, prior to the alumni General Assembly. The seminar program is planned for alumni, wives and guests and is coordinated by the office of the Dean of the University.

Tickets are now on sale at the Alumni Office in the Trustee House for the Alumni Banquet to be held in the University Dining Room, Saturday evening, June 11 at 7:00 p.m. Faculty and staff may purchase their tickets in advance or obtain them the day of the banquet on the loggia of the Student Center. Five alumni will receive recognition at the banquet as recipients of 1966 Distinguished Alumni Awards. They are: William J. Erwin '21 of Danville, Va., J. Banks McFadden '40 of Clemson, S. C., Sherwood Liles '27 of Virginia Beach, Va., Henry C. Coleman '26 of Daytona Beach, Fla., and T. Wilbur Thornhill '14, of Charleston, S. C.

POOLE AND ALUMNI SCHOLARS SELECTED FROM INCOMING FRESHMEN.

The Honors and Awards Committee announces the following selections from the incoming freshman class for the scholarships supported by the Clemson University Alumni Association.

R. F. Poole Alumni Scholarships

Charles Harold Gooding, Hampton	-	Engineering
Robert Edward Jamison, Winter Haven, Fla.	-	Mathematics
William Plumer Jacobs, Jr., Clinton	-	Chemical Engineering
Scott Addington Martin, Rock Hill	-	Pre-Medicine

Alumni Undergraduate Memorial Scholarships

Horace Steven Johnson, Greer	-	Chemical Engineering
Cecil Paul Roper, Fountain Inn	-	Engineering
Garland Brown Williams, Jr. - Hendersonville, N. C.	-	Chemical Engr.
James Carl Young, Jr., North Charleston	-	Chemical Engineering

GRANTS AVAILABLE UNDER THE FULBRIGHT-HAYS ACT

The competition for the 1967-68 United States Government graduate grants for academic study or research abroad, and for professional training in the creative and performing arts, will open officially on May 1st, the Institute of International Education (IIE) announced today.

IIE conducts competitions for U.S. Government scholarships provided by the Fulbright-Hays Act as part of the educational and cultural exchange program of the U.S. Department of State. Under this program, more than 850 American graduate students will have the opportunity to study in any one of 53 countries. The purpose of the awards is to increase mutual understanding between the people of the U.S. and other countries through the exchange of persons, knowledge and skills.

Candidates who wish to apply for an award must be U.S. citizens at the time of application, have a bachelor's degree or its equivalent by the beginning date of the grant and, in most cases, be proficient in the language of the host country. Selections will be made on the basis of academic and/or professional record, the feasibility of the applicant's proposed study plan and personal qualifications. Preference is given to candidates who have not had prior opportunity for extended study or residence abroad and who are under the age of 35.

Persons interested should contact the Graduate Office.

RESEARCH FACULTY COUNCIL MEMBERSHIP: 1966-67

M. B. Bishop	(Chem)	1967
W. C. Godley	(An Sci)	1967
W. V. Chalupa	(Dy Sci)	1967
Arnold Schwartz	(CE)	1967
U. S. Jones	(Agron)	1968
G. R. Craddock	(Agron)	1968
Tah-teh Yang	(ME)	1968
John Miller	(Phys)	1968
J. V. Walters	(Tex)	1968
J. J. Porter	(TC)	1969
L.O. Van Blaricom	(Hort)	1969
W. P. Byrd	(Exp Stat)	1969
R. C. Fox	(Ento)	1969

BOTANY FACULTY ADDITION

Nyal D. Camper of Raleigh, N. C. will join the teaching and research faculties in botany-bacteriology on July 1 as an assistant professor. His bachelors and graduate degrees have been earned at North Carolina State University where he held a graduate research assistantship for four years. In addition, he was granted two NSF summer fellowships.

He is a member of Sigma Xi and is author or co-author of five research studies dealing with chemical weed control.

FACULTY ACADEMIC STANDING COMMITTEES, 1966-1967

1. Admissions. The Director of Admissions serves as chairman ex officio and the Registrar is an ex officio member. The committee makes specific recommendations to the President in cases of individual student petitions. The committee deals not only with original admission problems, but with aspects of continuing enrollment.

K. N. Vickery (Chairman)

E. Gunnin (Arch)	1967	B. M. Cool (For)	1969
W. Capel (Social Sci.)	1967	C. E. Littlejohn (ChE)	1969
W. L. Ball (EE)	1967	R. L. Banister (EG)	1967, Senate rep.
E. S. Olson (TC)	1968	Charles Stuart (Math)	1967
J. H. Moore (CE)	1968	R. J. Berry (<u>ex officio</u>)	
M. O. Usrey (Engl)	1968		

2. Curricula. Ex officio members are the President of the Faculty Senate, the Director of Admissions, and the Dean of the University, who acts as chairman. Faculty members of the committee are chairmen of school or college curriculum committees. The University Curricula Committee recommends to the Educational Council the addition or deletion of existing curricula and specific changes within curricula.

Victor Hurst, Chairman

J. T. Long, Faculty Senate,		A. Newton (Educ.)	1968
<u>ex officio</u>	1967	E. Gunnin (Arch)	1969
T. Campbell (IM-TS)	1967	J. W. Jones (Agric.)	1969
F. C. Alley (Engr.)	1967	K. N. Vickery (<u>ex officio</u>)	
M. A. Owings (A&S)	1968	Academic Deans	

3. Ethics and Religion. This committee makes recommendations to the President concerning matters of relationship between the student body and campus and community religious organizations. Committee membership includes the Dean of Student Affairs and his assistants, the ministers of local churches, and the director and associate director of the YMCA. The committee elects its chairman.

E. D. Stockman, Chairman

Victor Hurst	C. E. Raynal
C. A. Arrington	C. J. Lupo
P. H. Lewis	J. R. Cooper
J. W. Arrington	W. T. Cox

4. Faculty Basic Research. This committee has nine faculty members, and two ex officio members, the Comptroller and the Graduate Dean, who serves as chairman. The committee controls expenditures of funds granted to it for use by the faculty in carrying out basic research. Committee funds include income from a gift to the university by the C. W. Kress Foundation, an annual grant from the Alumni Loyalty Fund, and a sum from NSF. Members of the faculty who wish to apply for research grants may do so directly to the Graduate Dean. Grants may be made for publication as well as for research itself.

F. I. Brownley, Chairman

M. A. Wilson, <u>ex officio</u>		T. Yang (ME)	1968
M. A. Boone (PtrySci. & Senate rep.)	1967	J. Porter (TC)	1968
B. R. Skelton (econ)	1967	S. M. Lukawecki (Math)	1969
C. Gum (English)	1967	J. E. Miller (Phys & res. faculty council)	1969
G. C. Kingsland (bot)	1968	W. B. Barlage (ChE)	1969

5. Fine Arts Series. In July 1965 President Edwards appointed a Fine Arts Series Committee to assist in planning, coordinating, and publicizing these activities. By acting as a clearing agency where ideas and information can be exchanged, the Committee hopes that the cultural environment of the university community can be enhanced. It is planned to issue a master calendar of events from time to time and to maintain special announcements for the art exhibitions, the concert series, and the lecture series.

C. B. Green, Chairman

Victor Hurst, <u>ex officio</u>		W. T. Cox, <u>ex officio</u>	
H. E. McClure, <u>ex officio</u>		H. M. Cox, <u>ex officio</u>	
J. H. Butler, <u>ex officio</u>		K. N. Vickery, <u>ex officio</u>	
M. S. Steadman (Engl & Fac Senate)	1967	A. J. Kaufmann (Arch)	1969
W. C. Godley (AnSci & Res Fac)	1967	C. O. Schuler (IM)	1969
W. R. Hare (Math)	1967	J. N. Thurston (EE)	1969
V. S. Hodges (Arch)	1968	(Three student members will be selected by the Student Senate).	
R. P. Ashworth (bot)	1968		
H. L. Hunter (A-S)	1968		

6. Honors and Awards. This committee is composed of twelve members of the faculty and seven ex officio members: two students (one selected by Phi Kappa Phi, one by Phi Eta Sigma), the chairman of the Honors Program Council, the Director of Admissions, the Dean of Men, the Dean of Women, and the Director of Student Financial Aid. The committee nominates students for special annual awards for academic achievement and arranges the program for the annual University Honors and Awards Day. The chairman of the University Honors Program Council is chairman ex officio of this committee.

C. B. Green, Chairman

Roy Burnett (USAF)	1967	H. E. Vogel (Phys)	1969
B. C. Wright (USA)	1967	J. V. Walters (Text)	1969
J. T. Lazar (DySci)	1967	G. Means (Arch)	1967
S. F. Hulbert (CerE)	1967	J. C. McCormac (CE)	1967
S. O. Park (IM)	1968	N. R. Bauld (EM)	1968
E. Park (Math & Fac Senate)	1968	M. A. Packer (Educ)	1968
John Idol (Engl)	1969	A. M. Bloss, <u>ex officio</u>	
Susan Delony, <u>ex officio</u>		K. N. Vickery, <u>ex officio</u>	
G. E. Coakley, <u>ex officio</u>		two students - to be selected for 1 yr terms.	

7. Library. A faculty committee (with the Director of the Library as an ex officio member) which recommends library policy to the Dean of the University. The committee elects its chairman.

(Chairman to be elected)

M. A. Owings (Engl)	1967	V. Hodges (Arch)	1967
E. S. Olson (IM)	1967	J. Antrim (CE & Senate)	1968
R. J. Amundson (Hist)	1968	John Kenelly (Math)	1968
Gordon Gourlay (<u>ex officio</u>)		G. B. Savitsky (Chem)	1969
		R. W. Henningson (DySci)	1969
		R. C. Fox (Ent & Res Fac Council)	1969

8. Schedule. A committee (with the Director of Admissions as ex officio chairman) which develops each semester the master schedule of courses taught. Each school or college has appropriate representation.

K. N. Vickery, Chairman

H. E. Broyles (EE)	J. H. Couch (IE)
H. J. Lefort (CerE)	E. A. Gunnin (Arch and Senate)
R. C. Harshman (ChE)	John Lagrone (Math)
E. A. Thompson (Econ)	Max Miller (Phys)
Charles McGee (Engl)	Carl McHugh (EG)
R. F. Nowack (EM)	D. W. Bradbury (ME)
E. B. Rogers (AgE)	J. R. Sailey (Chem)
I. A. Trively (CE)	J. V. Walters (Tex)
J. B. Whitney (Bot)	B. C. Wright (USA)
C. C. Davis (IM)	W. C. Bowen (Educ)
D. R. Franklin (USAF)	W. R. Mattox (Reg)

9. Honors Program Council. A Council consisting of nine professors appointed by the Dean of the University. This council recommends policy (including curricula and standards of admission) concerning the University Honors Program. Dr. C. B. Green, Professor of English and Director of Summer Sessions and Extended Programs, is chairman.

C. B. Green, Chairman

M. K. Richardson (CE)	1969	H. N. Cooledge (Arch)	1969
J. L. Richardson (IM)	1969	G. Meenaghan (ChE)	1967
R. P. Ashworth (Bot)	1967	E. P. Stillwell (Phys)	1967
C. W. Bolen (Hist)	1968	A. T. Hind (Math & Senate)	1968
Hugh Watson (Engl)	1968	K. N. Vickery, <u>ex officio</u>	

10. Graduate Council. This Council consists of the Dean of the Graduate School, who acts as chairman, the undergraduate deans (or their designated representatives), and eleven professors nominated for three year terms by the Graduate Dean. This council recommends Graduate School policy to the President via the Dean of the University.

F. I. Brownley, Chairman

Academic Deans	J. Kenelly (Math)	1967
R. F. Borgman (FdSci & Biochem)	H. Macaulay (econ)	1967
J. F. Andrews (CE)	T. R. Adkins (ento)	1968
H. Hobson (chem)	J. J. Porter (TC)	1969
R. C. Harshman (ChE & Senate)	Harriet Holman (Engl)	1969
J. N. Thurston (EE)	S. O. Park (IM)	1969

11. Patent Committee. This Committee makes recommendations to the President concerning all University patent matters in accord with the Patent Policy as printed in the Faculty Manual. The Vice President for Business and Finance is chairman ex officio.

M. A. Wilson, Chairman

Chas. Bardsley (Agron)	1967	K. N. Helton (B-F)	1969
D. W. Bradbury (EG & Senate)	1969	Jack Mitchell, Jr. (FdSci & Biochem.)	1967
Arnold Schwartz (CE & Res Cl)	1968	A. D. Lewis (ME)	1968
Wright Bryan, <u>ex officio</u>		O. B. Garrison, <u>ex officio</u>	
Stan Nicholas, <u>ex officio</u>		T. D. Efland, <u>ex officio</u>	

12. University Archives. This Committee makes recommendations to the Dean of the University concerning acquisition of materials for the university archives. Dr. R. S. Lambert, Head, Social Sciences Department, is chairman, ex officio.

R. S. Lambert, Chairman

E. M. Lander (Hist)	1969	Harriet Holman (Engl & Senate)	1967
J.W.G. Gourlay (Lib) <u>ex officio</u>		Wright Bryan (Adm), <u>ex officio</u>	

13. Special Advisory Committee for Disposal of Poisonous Chemicals

Norwood Page (Ag Chem.), Chairman
Henry Polk (Chem)
J. J. Porter (TC)
Ralph Collins, ex officio

14. Special Advisory Committee on Use of Radioactive Materials

J. G. Dinwiddie (Chem), Chairman
K. Lehotsky (Forestry)
T. D. Efland (IM-TS)
S. G. Nicholas (Engr)

15. Improvement of Undergraduate Teaching. A standing Committee, appointed this year for the first time, to recommend ways and means of improving undergraduate teaching and undergraduate educational programs.

H. H. Macaulay, Chairman (1969)

H. N. Cooleedge (Arch)	1967	R. E. Ware (Zool)	1967
J. E. Miller (Phys)	1968	L. M. Bauknight (AgEc)	1968
M. A. Owings (Engl)	1969	C. C. Davis (IM)	1969
A. J. McCutchen (CE)	1967	J. H. Hobson (Chem)	1968
C. V. Aucoin (Math)	1967	J. B. Whitney (Bot & Senate)	1968
H. F. Landrith (Educ)	1969	President, sophomore class	
President, student body		President, junior class	
President, senior class		Donald W. Shelley, Student Senate Appointee	
President, student senate			

FACULTY SENATE ROSTER -- 1966-1967

<u>Name</u>	<u>Dept.</u>	<u>Campus Address</u>	<u>Telephone</u>	<u>Term Ends</u>
<u>AGRICULTURE & BIOLOGICAL SCIENCES</u>				
M. A. Boone	PltrySci.	134 P&AS	222	1967
J. M. Stepp	AgEcon.	101 Long	338	1967
E. B. Eskew	Agron.	205 P&AS	297	1968
T. L. Senn	Hort.	162 P&AS	220	1968
J. B. Whitney	Bot.	218 Long	329	1968
J. K. Reed	Ent.	301 Long	308	1969
<u>ARCHITECTURE</u>				
E. A. Gunnin	--	109 Arch	228	1967
J. E. Pinckney	--	116 Arch	228	1968
R. T. Reep	--	110 Arch	228	1968
<u>ARTS AND SCIENCES</u>				
C. Q. Brown	Geol.	224 Brackett	291	1967
H. M. Felder	Engl.	204 Engl-Math	383	1967
L. L. Henry	Engl	325 Engl-Math	383	1967
B. R. Skelton	Econ.	220 Hardin	296	1967
A. T. Hind	Math.	109 Engl-Math	387	1968
Miss Harriet Holman	Engl.	225 Engl-Math	383	1968
H. G. Spencer	Chem.	128 Brackett	239	1968
M. S. Steadman	Engl.	302 Engl-Math	383	1968
H. E. Vogel	Phys.	105 Physics	253	1968
J. P. Winter	Engl.	201 Engl-Math	383	1968
S. M. Lukawcki	Math.	310 Engl-Math	387	1969
M. G. Miller	Phys	205 Physics	253	1969
R. F. Mixon	ModLang.	0-2 Engl-Math	383	1969
Eugene Park	Math.	110 Engl-Math	387	1969
<u>EDUCATION</u>				
W. C. Bowen	AgEd.	140 P&AS	294	1967
A. F. Newton	IndEd.	110 Ind. Engr.	234	1968
H. H. McGarity	Music	28 Tillman	414	1969
<u>ENGINEERING</u>				
H. G. Lefort	CerE	Olin Hall	304	1967
J. T. Long	EE	213 Riggs	227	1967
J. D. Antrim	CE	212 CE	223	1968
R. A. Banister	EG	315 Riggs	225	1968
R. C. Harshman	ChE	203 Earle	357	1968
D. W. Bradbury	ME	304 Riggs	225	1969
R. F. Nowack	EM	210 CE	223	1969
<u>INDUSTRIAL MANAGEMENT & TEXTILE SCIENCE</u>				
J. J. Porter	Text.	11 Sirrine	350	1967
J. L. Richardson	IM	310 Sirrine	350	1968
J. M. Wannamaker	IM	312 Sirrine	350	1968
J. H. Marvin	Text.	325 Sirrine	350	1969

Minutes of the Faculty Senate

April 5, 1966

The Faculty Senate met on April 5 at 4:15 p.m. in Room 101 of the Physics Building, President J. M. Stepp presiding. After the minutes of the preceding meeting had been corrected and approved, Dr. Stepp introduced Dean Jack K. Williams, who had been invited to speak to the Senate on the method of selecting Alumni Professors. He described the method as follows:

Alumni Professors are selected by the academic deans; that is, the deans recommend candidates to President Edwards for his approval. The deans attempt to appoint professors who have unquestioned records of excellence in teaching. In the case of Alumni Professorships, research, printed articles or books, and public service activities are set aside. Our goal is to select teachers who have established reputations for classroom presentation of material, who are known to maintain high academic standards, and who make themselves readily available to students for counseling and related assistance.

Dean Williams stated that a fourth Alumni Professorship would be available in July and that funds had been obtained from industry to support five additional professorships. Salaries for funded professorships range from \$12,672 to \$18,000. Parenthetically Dean Williams added that Clemson had been placed on the AAUP list of institutions in an overall C salary category.

Dr. Stepp announced (1) administration approval of Senate recommendations concerning higher continuing enrollment requirements, (2) WFBC-TV coverage of Dr. Edward Teller's commencement address, (3) the setting up of an Athletic Council committee to study admission prices, (4) the retirement of nine senators. Dr. Stepp expressed appreciation for the loyal services of the retiring group.

Dr. C. A. Reed (Admissions and Scholarship) presented a resolution requiring a candidate for graduation to have a grade-point ratio of 2.0 in 27 credit hours of work specified by his department. Strong opposition to the resolution resulted in a motion to table. This failing, a motion to approve the resolution was passed.

Dr. Henry Lefort (Policy) urged the passage of a resolution to improve faculty morale in relation to undergraduate teaching. The resolution recommended (1) more faculty representation at University functions, (2) a designation of "Faculty" on ID cards and parking decals, (3) better provisions for faculty parking, (4) publicity for the undergraduate teaching program, (5) establishment of a standing committee to study problems related to graduate assistant teaching. A motion to approve the resolution was passed.

Dr. Gray Dinwiddie (Welfare), reporting on a committee study of tenure problems, recommended "that in situations involving the transfer of an individual from one department or other administrative unit to another, these changes be made, insofar as is possible, with the consent of the faculty member

involved, and the same notice procedures be followed as stated in the tenure policy in connection with termination of employment." The recommendation stated further that a faculty member should not be moved from one campus to another without his consent. A motion to approve the resolution was passed.

Dr. Henry Lefort announced that the Policy Committee had under consideration a proposal by the Tiger Brotherhood. This organization has suggested that an award be established to be presented to distinguished undergraduate professors.

There being no further business, the meeting was adjourned at 6:00 p.m.

Respectfully submitted,

Herman M. Felder, Jr.
Herman M. Felder, Jr.
Secretary

Absent:

J. D. Antrim
E. A. Gunnin
M. A. Packer
B. R. Skelton
H. G. Spencer

HMF/lm

FACULTY SENATE ELECTS NEW OFFICERS

The Faculty Senate on May 3 elected J. T. Long (EE) president for 1966-67. Henry Lefort (cer engr) was elected vice-president and Lewis Henry (English) was chosen secretary.

As president of the Senate, Dr. Long will be an ex-officio voting member of the Educational Council, the Athletic Council, and the University Curriculum Committee. He will also attend all meetings of the University Board of Trustees.

Dr. Henry, as secretary of the Senate, is also secretary of the general faculty and the academic faculty.

Members of the Senate Committee-on-Committees for 1966-67 will be, in addition to the officers, M. A. Boone (pltry sci), J. E. Pinckney (arch), H. E. Vogel (phys), W. C. Bowen (ag educ), R. A. Banister (EG), and J. L. Richardson (IM).

MINUTES OF THE RESEARCH FACULTY COUNCIL, APRIL 19, 1966

1. The Chairman called the meeting to order at 4:05 P.M. and minutes of the March meeting were approved.

2. Personnel Relations Committee:

Dr. Muriel C. Bishop reported for the committee, and recommended:

a. a survey be taken of the present status of safety in research facilities and a report given based on the survey; and,

b. based on the survey a nine point safety program should be developed.

3. Ad Hoc Committee:

Dr. Edwards presented recommended revisions and changes of the Research Faculty Constitution and By-Laws. The recommendations were accepted and the Chairman directed to duplicate the recommendations and forward a copy to each research faculty member.

Proposed changes and revisions will be presented to the Research Faculty at the Annual Meeting, 4:00 P.M., May 11, 1966.

4. Executive Committee:

Dr. Godley presented the report stating that the actions taken were:

a. the patent policy report has been forwarded to all research faculty members;

b. the statement regarding research assistants was presented to Dr. J. K. Williams and Mr. J. B. Gentry.

5. Dr. Godley reported that Dr. J. K. Williams has requested the Research Faculty Council to recommend members for certain of the University Standing Committees. The standing committees and the Research Faculty proposed members are:

<u>Committee</u>	<u>Member</u>
Faculty Basic Research	Dr. J. E. Miller
Fine Arts Series	Dr. W. C. Godley
Library	Dr. R. C. Fox
Patent	Dr. A. E. Schwartz
Graduate Council	Dr. J. J. Porter

ENGLISH AND MODERN LANGUAGE ADDS INSTRUCTORS

J. L. Livingston of Hazel Park, Michigan, Robert L. Cross and Mrs. Joan Cross of Chapel Hill, N. C., Charles F. Thoet, Jr. of Lexington, Ky., and Miss Virginia L. Ganim of Boone, N. C. will join the English and Modern Languages faculty in August as instructors. Mr. Livingston, Mr. and Mrs. Cross and Miss Ganim will teach English; Mr. Thoet will teach Spanish.

Mr. Livingston has the BA and MA degrees from the University of Detroit and has done graduate study there toward his doctorate. He has three years of teaching experience and is currently teaching at the Detroit Country Day School.

Mr. and Mrs. Cross have A.B. degrees from Stetson University where both participated in the Ford graduate program, an honorary course for prospective college teachers. Each has a M.A. degree from the University of North Carolina, and each has taught college English during the past summer.

Mr. Thoet has the BA from the University of Florida and the MA from the University of Kentucky. He has had three years of teaching experience and is currently employed by the Palm Beach High School.

Miss Ganim has the BA and MA degrees from the University of North Carolina at Greensboro. She has had three years teaching experience and is currently employed at Appalachian State Teachers College.

CE FACULTY ADDITION

William A. Welsh, Jr. of Champaign, Illinois will join the Civil Engineering faculty in August as an assistant professor. He has the B.S. from Swarthmore, a year of post-graduate study at Cambridge, and the M.S. from the University of Illinois where he is a candidate for the Ph.D.

He has had five years experience as a research and teaching assistant at the University of Illinois where he is a member of Sigma Xi and Sigma Tau.

He is married to the former Ann Dean Stratton of Westtown, Pennsylvania.

FACULTY ADDITION IN EM

James G. Goree of Tuscaloosa, Alabama will join the faculty in Engineering Mechanics on August 15 as an assistant professor. He has the BS degree from the University of Florida, the MS from the University of Washington, and is a doctoral candidate at the University of Alabama. He has had two years of experience in teaching and research at Alabama.

Mr. Goree is married and has one child.

NEW STANDING COMMITTEE ESTABLISHED

Effective May 15, 1966 a standing committee, with faculty and student membership, has been organized to explore ways and means of improving undergraduate teaching and undergraduate education generally. The committee will make suggestions and recommendations to the Dean of the University for further consideration by such groups as the Faculty Senate and the Educational Council.

Dr. Hugh Macaulay (economics) is Committee Chairman for 1966-67. Other members are H. V. Cooledge (Arch), J. E. Miller (Phys), M. A. Owings (English), C. V. Aucoin (Math), A. J. McCutchen (CE), R. E. Ware (Bot), L. Bauknight (AgEc), C. C. Davis (IM), J. H. Hobson (Chem), Harold Landrith (Educ), and six student leaders (ex officio). The six students will be presidents of the student body, student senate, senior, junior and sophomore classes, and chairman of the Student Senate Education Committee.

BARUCH PROFESSOR OF FORESTRY APPOINTED

Robert Max Allen of East Moline, Illinois has been appointed Baruch Professor of Forestry and will join the faculty July 1, 1966. The chaired professorship which he will hold has been made possible through the Belle Baruch Foundation which also sponsors at Clemson four graduate fellowships in the plant sciences.

Professor Allen has the B.S. and M.S. degrees from Iowa State. His Ph.D. in forest physiology, is from Duke. He has been with the U. S. Forest Service since 1948 and currently is Principal Plant Physiologist. He is author of sixteen scientific articles and co-author of twelve.

He is a member of the Society of American Foresters and the American Society of Plant Physiologists. He has served as vice chairman of the Mississippi Chapter of the Society of American Foresters, and on two separate occasions as chairman of the Gulf Coast group of the same society. At Clemson he will be engaged in teaching and research and will act as consultant to the trustees of the Belle W. Baruch Foundation on matters pertaining to the forestry program of the Baruch Plantation, located near Georgetown.

SUMMER OFFERING ON "SUNRISE SEMESTER"

WSPA-TV, Channel 7, has announced that the "Summer Semester" program will be carried, beginning Monday, May 16, from 6:15 to 6:45 A.M. Monday through Friday, and from 6:30 to 7:00 A.M. on Saturdays. The course will be programed for 19 weeks.

The courses for Summer Semester will be "Afro-Asia...The Politics of Social Change" taught by Immanuel Wallerstein, Associate Professor of Sociology, Waune Wilcox, Assistant Professor of Government, and L. Grav Cowan, Professor of Government and Director of the Asian-African Institute, all of Columbia University; and "Contemporary Western Religious Trends" taught by Harold Stahmer, Associate Professor of Religion at Barnard College and Columbia University. Supplementary lectures will be given by Barrv Ulanov. Professor of English.

FACULTY PROMOTIONS ANNOUNCED FOR 1966-67

Twenty-nine members of the teaching and research faculties will be promoted in rank, effective May 15, 1966. Of these, six instructors will become assistant professors; ten assistant professors will become associate professors; and thirteen associate professors will become professors.

Those being promoted are:

Instructor to assistant professor.

--John S. Gordon (Pol. Sci.)
--Ronald J. Knapp (Sociology)
--Rameth Owens (History)
--W. H. Owens (Pol. Sci.)
--R. D. Shannon (Econ.)
--B. N. Skardon (English)

Assistant Professor to Associate Professor.

--A. Ray Abernathy (CE)
--John D. Antrim (CE)
--D. F. Bruley (ChemE)
--T. H. Garner (AgEngr)
--Coburn Gum (English)
--J. W. Hubbard (AgEcon)
--Graydon Kingsland (Botany)
--Albert G. Law (EM)
--Sang O. Park (IM)
--J. F. Stephens (Pltry Sci)

Associate Professor to Professor.

--J. F. Andrews (CE)
--M. A. Boone (Pltry Sci)
--Richard J. Calhoun (English)
--B. M. Cool (For)
--G. R. Craddock (Agron)
--C. C. Davis (IM)
--R. W. Hemmingson (Dairy Sci)
--J. C. Martin (EE)
--G. F. Meenaghan (Dairy Sci)
--Wayne L. Ogle (Hort)
--J. V. Walters (Tex Sci)
--John R. Warner (For)
--Hugh H. Wilson (CerE)

CHEMISTRY FACULTY ADDITION

John F. Geldard will join the faculty of the Chemistry Department in August as an assistant professor of inorganic chemistry. A native of Australia, Dr. Geldard obtained undergraduate and graduate degrees at the University of Sydney. He has served as both a post-doctoral research associate and a visiting lecturer at the University of Illinois, and comes to Clemson from that institution.

NATIONAL GRADUATE SCHOOL ENROLLMENTS UP

Students enrolled for master's and higher degrees in U. S. colleges and universities totalled 468,000 in the fall of 1964, an increase of 16 percent over the fall of 1963 and of 52 percent from the fall of 1960, used as the base year for the study, reported in a recent summary report (OE-54009-64) of the U. S. Office of Education.

North Atlantic Region includes 38 percent of all candidates for master's and higher degrees, the Great Lakes and Plains are 27.5 percent; Southeast 10.6 percent; West and Southwest 23.5 percent. New York led all states with nearly 73,000 advanced students enrolled; California was second with 52,800; Pennsylvania third with nearly 29,000; with Massachusetts, Michigan, and Illinois each enrolling between 25 and 26 thousand, and Ohio about 20,500.

All fields showed substantial increases in advanced-degree enrollment, ranging from 15 percent since 1960 in religion and theology to 556 percent for library science. Foreign languages and literature had a 92 percent increase.

The physical sciences increased by 32.5 percent (to 34,000) and the biological sciences by 60 percent (to 23,600). Mathematics jumped 55 percent (to 18,000) while the fine and applied arts jumped 62.2 percent (to 15,000), and the social sciences by 60 percent (to 59,808).

Business and Commerce had a 173.6 percent growth (to nearly 44,000), and English and journalism 68 percent (to 22,661). Philosophy enrollments went up 52.8 percent, but the total in 1964 was 3,450. Engineering went up 48.3 percent (to 54,318) and agriculture 23.9 percent (to 4,772).

The Graduate School at Clemson has increased from 138 to 329 students during the base period fall, 1960-fall, 1964: a 138 percent jump.

TWENTY-FIVE FACULTY MEMBERS ATTAIN TENURE

Twenty-five members of the teaching and research faculties have been notified that they have attained permanent tenure under provisions of the University Tenure Policy. The faculty members are:

A. L. Shewfelt (FdSci & Biochem)	W. C. Capel (Social Sci)
E. T. Sims (Hort)	Ruby S. Davis (Hist)
G. E. Stembridge (Hort)	R. L. Chaplin (Phys)
W. A. Shain (For)	G. J. Fernandez (ModLang)
B. J. Gossett (Agron)	R. J. Calhoun (Engl)
G. C. Skelley (AnSci)	Coburn Gum (Engl)
T. H. Garner (AgEngr)	G. B. Savitsky (Chem)
J. W. Hubbard (AgEcon)	A. G. Law (EM)
J. F. Stephens (PltrySci)	J. H. Moore (CE)
M. G. Hamilton (Hort)	D. F. Bruley (ChE)
A. F. Newton (IndEd)	J. J. Porter (TC)
R. J. Amundson (Hist)	W. H. Wiley (Pltry Sci)
C. B. Thompson (Econ)	

GIFTS AND GRANTS

- From Health, Education and Welfare, \$247,053 toward costs of the recently completed chemistry wing.
- From Health, Education and Welfare \$311,315 toward costs of the new library.
- From Owens-Corning Fiberglass, \$100 to supplement a merit scholarship award.
- From the Babcock and Wilcox Company, \$1,500 for unrestricted use in engineering.
- From National Science Foundation, \$9,400 to Mechanical Engineering for purchase of undergraduate equipment.
- From Diamond National Corp., \$500 to Food Science and Biochemistry for microbiological research.
- From the American Can Company, gift of "36C" Canco milk filler valued at \$3,600 for research in the Dairy Science Department.
- From Pickle Packers, International, \$400 to Truck Station for experimental pickle research.
- From Cotton Hybrid Research, Inc., \$150 to Pee Dee Station for research.
- From Hercules Powder Company, \$500 to Agronomy for weed control studies.
- From H. J. Heinz Company, \$250 to Truck Station for vegetable processing studies.
- From Stouffer Chemical Company, \$500 to Entomology and Zoology for insecticide research.

PERSONAL MENTION

- James A. Chisman (IE) has received a grant from the Ford Foundation to attend a two-week seminar at M.I.T. in "Industrial Dynamics" this summer.
- H. J. Sefick (Hort) has written an article in The Peach, a book released this year by The Communications Department, Rutgers University. This book is dedicated to L. D. Davis (U. of Calif.) and A. M. Musser, Professor Emeritus of Horticulture, Clemson.
- G. C. Kingsland (Bot) presented a paper at the biennial conference of southern small grains workers.
- Bruce P. Bardes (MetE) presented a paper at the Castings Congress of the American Foundry Society in Cleveland, Ohio, May 9.
- H. O. Wheeler (biochem) has resigned his position, effective June 30, to accept employment with NASA in Houston, Texas.
- A. J. Fear (English) will be advisor to international students at Clemson, effective July 1.

PERSONAL MENTION Continued

--Clayton Aucoin (math) represented Clemson at the inauguration of H. M. Philpott as President of Auburn University, May 12-13.

--D. F. Bruley (CheEngr) and chemical engineering graduate students D. H. Hunt and C. I. Lewis presented a paper at the meeting of The American Institute of Chemical Engineers on May 15 in Columbus, Ohio.

--C. B. Green (Engl) was a member of a Southern Association of Colleges and Schools! reaccréditation committee visiting Pembroke State College in North Carolina, May 1-4.

--I. A. Trively and J. H. Moore (C.E.) represented Clemson at the annual meeting of the Southeastern Section of ASEE in Winston-Salem on April 18-19. Prof. Trively participated in a panel discussion of the "Guide for the Civil Engineering Visitors on ECPD Accreditation Teams."

--J. C. Hubbard, Jr. (IM-TS) was presented the Alpha Phi Omega distinguished Service Award on April 21, 1966.

--Cyril O. Shuler, N. K. Kwak, and Sang O. Park (IM-TS) presented papers at the 39th Annual meeting of the South Carolina Academy of Science, April 22-23, Clinton, S. C.

--Alfred F. Newton (InEd) participated as a panelist, recorder, and committee chairman in the annual convention of the American Industrial Arts Association in San Francisco, April 19-24. He was appointed to serve as Chairman of the AIAA and as a member of the Accreditation Committee in the American Council on Industrial Arts Teacher Education.

--G. E. Dillard (bot.) presided at the Cryptogamic section of the meeting of SE Biologists on April 14-15 at N. C. State University.

--Paul Robbins (TC) has resigned, effective August 1, to accept a position at Armstrong College in Georgia.

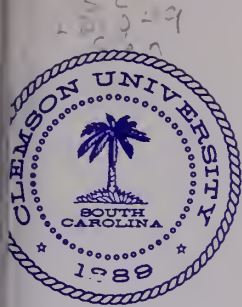
--Jerold F. Pittman (Agricecon) has returned from graduate study leave and will resume his teaching and research duties on May 18.

--John F. Andrews (ESE) participated in an Air Force conference at Cape Kennedy concerning the training of Air Force officers in the MOL (Manned Orbiting Laboratory) program, April 27.

--A. T. Wallace (ESE) described Research Activities in Sanitary Engineering at Clemson for the District No. 1 meeting of the South Carolina Water and Pollution Control Association, April 26.

--Pete N. Marinos (EE) presented a paper "Analysis of Slot Antennas covered with Dielectric Slabs of Arbitrary Thickness" at the National Conference of IEEE in Tucson, Arizona, April 24-May 1.

--L. G. Rich (Engr) participated in the National Conference on Environmental Education, Washington, D. C., May 6-7.



CLEMSON

NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

· Vol. 6 No. 1

August 15, 1966

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

OCT 21 1966

CLEMSON UNIVERSITY

CALENDAR OF CAMPUS EVENTS -- 1966-1967

Aug. 17	W	8:30 - 4:00	New Faculty and Staff Orientation Civil Engineering Auditorium
Aug. 17	W	7:00 p.m.	President's Dinner for New Faculty and Staff Clemson House
Aug. 18	Th	8:30 - noon	New Faculty and Staff Orientation Civil Engineering Auditorium
Aug. 18	Th	1 - 5 p.m.	Matriculation, New Students Tillman Hall
Aug. 19	F	8:00 - 4:00	Matriculation, New Students Tillman Hall
Aug. 19	F	10:30 a.m.	General Faculty and Staff Meeting Chemistry Auditorium
Aug. 19	F	12:15 p.m.	Luncheon for Honors Program Students Clemson House
Aug. 19	F	6:00 p.m.	Freshman Picnic President's Home (In event of rain--Field House)
Aug. 20	Sat	8:00 - noon	Matriculation, Current Students Tillman Hall
Aug. 20	Sat	8:30 a.m.	New Student Orientation Assignment to Faculty Advisers Tillman Hall Auditorium
Aug. 20	Sat	3:00 p.m.	New Student ROTC Orientation Army - Tillman Hall Auditorium Air Force - Chemistry Auditorium

Aug. 20	Sat	7:00 p.m.	Church Night for New Students Community Churches
Aug. 21	Sun	1 - 5 p.m.	Matriculation, Current Students Tillman Hall
Aug. 21	Sun	2:30 p.m.	Walking Tour of Campus, New Students Tillman Hall
Aug. 21	Sun	7:00 p.m.	Student Convocation Amphitheatre
Aug. 22	M	8:00 - 12:00 1:00 - 2:30	Registration, New Students Arts and Sciences Classroom Building
Aug. 22	M	8:00 - 12:00 1:00 - 5:00	Registration, Current Students Arts and Sciences Classroom Building
Aug. 22	M	7:00 p.m.	New Students Activities Orientation Tillman Hall Auditorium
Aug. 22	M	8:30 p.m.	Open House and Dance, New Students Women's Residence Halls
Aug. 23	T	8:00 - 12:00	Registration, Current Students Arts and Sciences Classroom Building
Aug. 23	T	8:00 p.m.	Dance Upper Quadrangle
Aug. 24	W	8:30 - 9:30 a.m.	New Student Orientation Tillman Hall Auditorium
Aug. 24	W		Classes begin (abbreviated schedule)
Aug. 27	Sat	8:00 p.m. - 12:00 p.m.	Opening Mixer Dining Hall
Aug. 28	Sun	4:00 p.m. - 5:00 p.m.	Host-Family Foreign Students Reception Y. M. C. A.
Sept. 1	Th	8 - 10 p.m.	President and Mrs. Edwards "At Home" to Faculty, Staff and People of Community
Sept. 23-24	F-Sat		Rat Hop Dining Hall
Sept. 24	Sat	2:00 p.m.	Football - Virginia at Clemson (Youth and Band Day)

Oct. 3	M	8:00 p. m.	American Classical Theater - "The Tempest" Tillman Hall Auditorium
Oct. 5-8	W-Sat		Clemson Players - "Ah Wilderness"
Oct. 7	F		Freshman Football - Wake Forest at Clemson
Oct. 10-11	M, T		Institute on Campus Ethics and Religion Clemson House and Y. M. C. A.
Oct. 14-15	F, Sat		Homecoming Dances Dining Hall
Oct. 14	F	7:00 p. m.	Tigerama
Oct. 15	Sat		Open House - Dormitories
Oct. 15	Sat	1:15 p. m.	Football - Duke at Clemson (Homecoming)
Oct. 19	W	8:00 p. m.	Concert - Don Shirley Trio Field House
Oct. 28	F		Freshman Football - Duke at Clemson
Oct. 29	Sat		Graduate Record Examination
Nov. 5	Sat	2:00 p. m.	Football - University of N. C. at Clemson (Iptay and Dads' Day)
Nov. 5	Sat		Student Dance Dining Hall
Nov. 14	M	8:00 p. m.	Concert - Richard Tucker Field House
Nov. 23-27	W - after last class through Sun		Thanksgiving Holidays
Nov. 26	Sat	2:00 p. m.	Football - South Carolina at Clemson
Dec. 3	Sat		Basketball - The Citadel at Clemson
Dec. 7	W		Reading Day (Classes suspended)
Dec. 8	Th		Examinations begin

Dec. 16	F		Educational Council Meeting
Dec. 16	F		Faculty Meeting Chemistry Auditorium
Dec. 17	Sat	11:00 a. m.	Commissioning Exercises Tillman Hall Auditorium
Dec. 17	Sat	3:00 p. m.	Graduation Tillman Hall Auditorium
Jan. 3	T	8:00 - 4:00	Matriculation, New Students Tillman Hall
Jan. 5, 6	Th, F	8:00 - 4:00	Registration, All Students Arts and Sciences Classroom Building
Jan. 7	Sat		Classes begin (abbreviated schedule)
Jan. 10	T		Basketball - Duke at Clemson
Jan. 16-19	M-Th		Religious Emphasis Week
Jan. 19	Th		Basketball - Furman at Clemson
Jan. 21	Sat		Graduate Record Examination
Jan. 24	T		Basketball - Georgia Tech at Clemson
Jan. 27, 28	F, Sat		Midwinter Dances Dining Hall
Feb. 4	Sat		Basketball - N. C. State at Clemson
Feb. 7	T		Basketball - South Carolina at Clemson
Feb. 8	W	8:00 p. m.	Concert - "The Boy Friend" Field House
Feb. 8-11	W-Sat	8:00 p. m.	Clemson Players - "Hamlet"
Feb. 11	Sat		Basketball - Wake Forest at Clemson
Feb. 14 - Mar. 21	Tuesdays	7:00 p. m.	Continuing Education Classes
Feb. 25	Sat		Basketball - Maryland at Clemson

Feb. 27	M		Basketball - University of Virginia at Clemson
Mar. 2	Th	8:00 p. m.	Concert - Jaime Laredo Field House
Mar. 3, 4	F, Sat		Military Ball and Spring Hop Dining Hall
Mar. 13	M	8:00 p. m.	Concert - Pittsburgh Symphony Field House
Mar. 15-17	W-F		Board of Visitors
Mar. 15-18	W-Sat		Clemson Players - "Three Penny Opera"
Mar. 23- Mar. 26	Th Sun.	1:00 p. m.	Easter Holidays
Mar. 29 - April 1	W-Sat		Greek Week
April 5	W		Honors and Awards Day (Classes suspended at noon)
April 13	Th		ROTC Recognition Day
April 13	Th	8:00 p. m.	Concert - Robert Shaw Chorale Field House
April 14, 15	F, Sat		Taps Ball and Junior-Senior Dining Hall
April 22	Sat		Graduate Record Examination
April 25	T		Reading Day (Classes suspended)
April 26	W		Examinations begin
May 5	F		Faculty Meeting
May 6	Sat	11:00 a. m.	Commissioning Exercises Tillman Hall Auditorium
May 6	Sat	2:30 p. m. - 3:30 p. m.	President's Reception for Graduates and their Families President's Home
May 6	Sat	5:00 p. m.	Graduation Amphitheatre

May 15 - June 22	First Summer Session
June 9-11	Alumni Reunion Week End
June 26 - Aug. 5	Second Summer Session
Aug. 5 Sat	Graduation

Note: Lecture dates will be announced in the "Clemson Newsletter."

NEWSLETTER NOTE

The Clemson faculty and staff Newsletter is printed twice each month and distributed through inter-office mail to each member of the faculty and staff.

Material in the Newsletter is furnished through the offices of the four executive officers of the University. Academic and research information comes from the office of Vice-President for Academic Affairs Victor Hurst, phone 312; information on business affairs, physical plant, and non-academic personnel matters comes from the office of Vice-President for Business and Finance M. A. Wilson, phone 343; student affairs information comes from the office of Vice-President for Student Affairs W. T. Cox, phone 241; and other information comes from the office of Vice-President for Development Wright Bryan, phone 344. Material should be submitted through appropriate administrative channels. Deadlines are the 8th and 23rd of each month.

CONCERT SERIES FOR 1966-67

The following concerts have been scheduled for the Clemson University Fieldhouse during the academic year, 1966-67.

Sept. 8, 1966 (Thursday)	The Mitchell Trio
Nov. 14, 1966 (Monday)	Richard Tucker
February 8, 1967 (Wednesday)	The Boy Friend
March 2, 1967 (Thursday)	Jaime Laredo
March 13, 1967 (Monday)	Pittsburgh Symphony
April 13, 1967 (Thursday)	Robert Shaw Chorale

Tickets may be secured from the Band Director's Office at \$7.00 for the series.

PROFESSOR GOLDEMBERG RETIRES

Professor Maurice Goldemberg of the School of Industrial Management and Textile Science retired August 1, 1966. Mr. Goldemberg came to Clemson in 1959 as Associate Professor of Textile Chemistry. Professor and Mrs. Goldemberg plan to reside in Clemson when not traveling or visiting their two children.

CLEMSON UNIVERSITY COUNCIL ON HYDROLOGY

New officers elected for the 1966-67 year at the June 30 meeting are: Dr. J. R. Lambert, Chairman, Agricultural Engineering, Dr. R. W. Moorman, Engr. Mech., Vice-Chairman, and Dr. F. C. Alley, Chemical Engineering, Secretary.

MINUTES OF THE RESEARCH FACULTY COUNCIL MEETING July 19, 1966

The monthly meeting was called to order at 4:05 p.m., 101 Physics Building, July 19, 1966 by Chairman A. E. Schwartz.

The minutes of the June 21st meeting was approved as circulated.

R. C. Fox, chairman of the Policy Committee reported that the members of the University Library Committee had been asked to survey the faculty to determine if the indefinite loan of books from the library was creating a problem. The results of the survey would be presented at a latter date. Some discussion ensued with regard to (a) the payroll policy of nine months staff members who have summer grants and (b) the time lag in getting material from Central Services because of the volume of work being requested.

Dr. Bishop, Chairman of the Personnel Relations Committee, reported that a safety code for the University was still under consideration. Several Universities with Safety Codes had been contacted for copies of Safety Codes.

Dr. Schwartz reported that Dr. Tah-Teh Yang had been named as a member of the Faculty Basic Research Committee to replace Dr. Miller. Dr. Porter had been asked to serve as liaison between the Senate and Research Council. Dr. W. P. Byrd, Dr. R. C. Fox, and Dr. U. S. Jones were asked to serve as tour guides for the new faculty.

Respectively submitted,

G. R. Craddock, Secretary

Absent:

W. V. Chalupa
U. S. Jones
J. V. Walters

<u>Name</u>	<u>Dept.</u>	<u>Campus Address</u>	<u>Telephone</u>	<u>Term Ends</u>
<u>AGRICULTURE & BIOLOGICAL SCIENCES</u>				
M. A. Boone	PltrySci.	134 P&AS	222	1967
J. M. Stepp	AgEcon.	101 Long	338	1967
E. B. Eskew	Agron.	205 P&AS	297	1968
T. L. Senn	Hort.	162 P&AS	220	1968
J. B. Whitney	Bot.	218 Long	329	1968
J. K. Reed	Ent.	301 Long	308	1969
<u>ARCHITECTURE</u>				
E. A. Gunnin	--	109 Arch	228	1967
J. E. Pinckney	--	116 Arch	228	1968
R. T. Reep	--	110 Arch	228	1968
<u>ARTS AND SCIENCES</u>				
H. M. Felder	Engl.	204 Engl-Math	383	1967
L. L. Henry, Secretary	Engl.	325 Engl-Math	383	1967
B. R. Skelton	Econ.	220 Hardin	296	1967
A. T. Hind	Math.	109 Engl-Math	387	1968
Miss Harriet Holman	Engl.	225 Engl-Math	383	1968
H. G. Spencer	Chem.	128 Brackett	239	1968
M. S. Steadman	Engl.	302 Engl-Math	383	1968
H. E. Vogel	Phys.	105 Physics	253	1968
H. P. Winter	Engl.	201 Engl-Math	383	1968
S. M. Lukawecki	Math.	310 Engl-Math	387	1969
M. G. Miller	Phys.	205 Physics	253	1969
R. F. Mixon	Mod. Lang.	0-2 Engl-Math	383	1969
Eugene Park	Math.	110 Engl-Math	387	1969
<u>EDUCATION</u>				
W. C. Bowen	AgEd.	140 P&AS	294	1967
A. F. Newton	IndEd.	110 Ind. Engr	234	1968
H. H. McGarity	Music	Geology	414	1969
<u>ENGINEERING</u>				
H. G. Lefort, Vice-Pres.	CerE	Olin Hall	304	1967
J. T. Long, President	EE	213 Riggs	227	1967
J. D. Antrim	CE	212 CE	223	1968
R. A. Banister	EG	315 Riggs	225	1968
R. C. Harshman	ChE	203 Earle	357	1968
D. W. Bradbury	ME	304 Riggs	225	1969
R. F. Nowack	EM	210 CE	223	1969
<u>INDUSTRIAL MANAGEMENT & TEXTILE SCIENCE</u>				
J. J. Porter	Text.	11 Serrine	350	1967
J. L. Richardson	IM	310 Serrine	350	1968
J. M. Wannamaker	IM	312 Serrine	350	1968
J. H. Marvin	Text.	325 Serrine	350	1969

Members of the Senate Committee-on Committees for 1966-67 will be, in addition to the officers, M. A. Boone (PltrySci), J. E. Pinckney (Arch), H. E. Vogel (Phys), W. C. Bowen (AgEduc), R. A. Banister (EG), and J. L. Richardson (IM).

FACULTY ACADEMIC STANDING COMMITTEES, 1966-67

1. Admissions. The Director of Admissions serves as chairman ex officio and the Registrar is an ex officio member. The committee makes specific recommendations to the President in cases of individual student petitions. The committee deals not only with original admission problems, but with aspects of continuing enrollment.

K. N. Vickery (Chairman)

E. Gunnin (Arch)	1967	B. M. Cool (For)	1969
W. Capel (Social Sci.)	1967	C. E. Littlejohn (ChE)	1969
W. L. Ball (EE)	1967	R. L. Banister (EG)	1967, Senate rep.
E. S. Olson (TC)	1968	Charles Stuart (Math)	1967
J. H. Moore (CE)	1968	R. J. Berry (<u>ex officio</u>)	
M. O. Usrey (Engl)	1968		

2. Curricula. Ex officio members are the President of the Faculty Senate, the Director of Admissions, and the Dean of the University, who acts as chairman. Faculty members of the committee are chairmen of school or college curriculum committees. The University Curricula Committee recommends to the Educational Council the addition or deletion of existing curricula and specific changes within curricula.

Victor Hurst, Chairman

J. T. Long, Faculty Senate, <u>ex officio</u>	1967	A. Newton (Educ.)	1968
T. Campbell (IM-TS)	1967	E. Gunnin (Arch)	1969
F. C. Alley (Engr.)	1967	J. W. Jones (Agric.)	1969
M. A. Owings (A&S)	1968	K. N. Vickery (<u>ex officio</u>)	
		Academic Deans	

3. Ethics and Religion. This committee makes recommendations to the President concerning matters of relationship between the student body and campus and community religious organizations. Committee membership includes the Dean of Student Affairs and his assistants, the ministers of local churches, and the director and associate director of the YMCA. The committee elects its chairman.

E. D. Stockman, Chairman

Victor Hurst	C. E. Raynal
C. A. Arrington	C. J. Lupo
P. H. Lewis	J. R. Cooper
J. W. Arrington	W. T. Cox

4. Faculty Basic Research. This committee has nine faculty members, and two ex officio members, the Comptroller and the Graduate Dean, who serves as chairman. The committee controls expenditures of funds granted to it for use by the faculty in carrying out basic research. Committee funds include income from a gift to the University by the C. W. Kress Foundation, an annual grant from the Alumni Loyalty Fund, and a sum from NSF. Members of the faculty who wish to apply for research grants may do so directly to the Graduate Dean. Grants may be made for publication as well as for research itself.

F. I. Brownley, Chairman

M. A. Wilson, <u>ex officio</u>		T. Yang (ME & Pres. Fac. Council)	1968
M. A. Boone (PltrySci. & Senate rep.)	1967	J. Porter (TC)	1968
B. R. Skelton (Econ.)	1967	S. M. Lukawecki (Math)	1969
C. Gum (Engl)	1967	W. B. Barlage (ChE)	1969
G. C. Kingsland (Bot)	1968		

5. Fine Arts Series. In July 1965 President Edwards appointed a Fine Arts Series Committee to assist in planning, coordinating, and publicizing these activities. By acting as a clearing agency where ideas and information can be exchanged, the Committee hopes that the cultural environment of the University community can be enhanced. It is planned to issue a master calendar of events from time to time and to maintain special announcements for the art exhibitions, the concert series, and the lecture series.

C. B. Green, Chairman

Victor Hurst, <u>ex officio</u>		W. T. Cox, <u>ex officio</u>	
H. E. McClure, <u>ex officio</u>		H. M. Cox, <u>ex officio</u>	
Bruce Cook, <u>ex officio</u>		K. N. Vickery, <u>ex officio</u>	
M. S. Steadman (Engl & Fac Senate)	1967	A. J. Kaufmann (Arch)	1969
W. C. Godley (AnSci & Res Fac)	1967	C. O. Schuler (IM)	1969
W. R. Hare (Math)	1967	J. N. Thurston (EE)	1969
V. S. Hodges (Arch)	1968	(Three student members will be selected by the Student Senate.)	
R. P. Ashworth (Bot)	1968		
H. L. Hunter (A&S)	1968		

6. Honors and Awards. This committee is composed of twelve members of the faculty and seven ex officio members: two students (one selected by Phi Kappa Phi, one by Phi Eta Sigma), the chairman of the Honors Program Council, the Director of Admissions, the Dean of Men, the Dean of Women, and the Director of Student Financial Aid. The committee nominates students for special annual awards for academic achievement and arranges the program for the annual University Honors and Awards Day. The chairman of the University Honors Program Council is chairman ex officio of this committee.

C. B. Green, Chairman

Roy Burnett (USAF)	1967	H. E. Vogel (Phys)	1969
B. C. Wright (USA)	1967	J. V. Walters (Text)	1969
J. T. Lazar (DySci)	1967	G. Means (Arch)	1967
S. F. Hulbert (CerE)	1967	J. C. McCormac (CE)	1967
S. O. Park (IM)	1968	N. R. Bauld (EM)	1968
E. Park (Math & Fac Senate)	1968	M. A. Packer (Educ)	1968
John Idol (Engl)	1969	A. M. Bloss, <u>ex officio</u>	
Susan Delony, <u>ex officio</u>		K. N. Vickery, <u>ex officio</u>	
G. E. Coakley, <u>ex officio</u>		(Two students - to be selected for 1 year terms.)	

7. Library. A faculty committee (with the Director of the Library as an ex officio member) which recommends library policy to the Dean of the University. The committee elects its chairman.

(Chairman to be elected)

Gordon Gourlay (<u>ex officio</u>)		John Kenelly (Math)	1968
M. A. Owings (Engl)	1967	G. B. Savitsky (Chem)	1969
E. S. Olson (IM)	1967	R. W. Henningson (DySci)	1969
A. K. Jensen (Educ)	1968	R. C. Fox (Ent & Res Fac	
V. Hodges (Arch)	1967	Council)	1969
J. Antrim (CE & Senate)	1968		

8. Schedule. A committee (with the Director of Admissions as ex officio chairman) which develops each semester the master schedule of courses taught. Each school or college has appropriate representation.

K. N. Vickery, Chairman

H. E. Broyles (EE)	J. H. Couch (IE)
H. J. Lefort (CerE)	E. A. Gunnin (Arch and Senate)
R. C. Harshman (ChE)	John LaGrone (Math)
E. A. Thompson (Econ)	Max Miller (Phys)
Charles McGee (Engl)	Carl McHugh (EG)
R. F. Nowack (EM)	D. W. Bradbury (ME)
E. B. Rogers (AgE)	J. R. Salley (Chem)
I. A. Trively (CE)	J. V. Walters (Text)
J. B. Whitney (Bot)	B. C. Wright (USA)
C. C. Davis (IM)	W. C. Bowen (Educ)
D. R. Franklin (USAF)	W. R. Mattox (Reg)

9. Honors Program Council. A Council consisting of nine professors appointed by the Dean of the University. This council recommends policy (including curricula and standards of admission) concerning the University Honors Program. Dr. C. B. Green, Professor of English and Director of Summer Sessions and Extended Programs, is chairman.

C. B. Green, Chairman

M. K. Richardson (CE)	1969	H. N. Cooledge (Arch)	1969
J. L. Richardson (IM)	1969	G. Meenaghan (ChE)	1967
R. P. Ashworth (Bot)	1967	E. P. Stillwell (Phys)	1967
C. W. Bolen (Hist)	1968	A. T. Hind (Math & Senate)	1968
Hugh Watson (Engl)	1968	K. N. Vickery, <u>ex officio</u>	

10. Graduate Council. This Council consists of the Dean of the Graduate School, who acts as chairman, the undergraduate deans (or their designated representatives), and eleven professors nominated for three year terms by the Graduate Dean. This council recommends Graduate School policy to the President via the Dean of the University.

F. I. Brownley, Chairman

Academic Deans	J. Kenelly (Math)	1967
R. F. Borgman (FdSci & Biochem)	H. Macaulay (Econ)	1967
J. F. Andrews (CE)	T. R. Adkins (Ent)	1968
J. H. Hobson (Chem)	J. J. Porter (TC)	1969
R. C. Harshman (ChE & Senate)	Harriet Holman (Engl)	1969
J. N. Thurston (EE)	S. O. Park (IM)	1969

11. Patent Committee. This Committee makes recommendations to the President concerning all University patent matters in accord with the Patent Policy as printed in the Faculty Manual. The Vice President for Business and Finance is chairman ex officio.

M. A. Wilson, Chairman

Chas. Bardsley (Agron)	1967	K. N. Helton (B-F)	1969
D. W. Bradbury (EG & Senate)	1969	J. H. Mitchell, Jr. (Fd	
A. E. Schwartz (CE & Res Council)	1968	Sci & Biochem)	1967
Wright Bryan, <u>ex officio</u>		A. D. Lewis (ME)	1968
Stan Nicholas, <u>ex officio</u>		O. B. Garrison, <u>ex officio</u>	
		T. D. Efland, <u>ex officio</u>	

12. University Archives. This Committee makes recommendations to the Dean of the University concerning acquisition of materials for the University archives. Dr. R. S. Lambert, Head, Social Sciences Department, is chairman, ex officio.

R. S. Lambert, Chairman

	1969	Harriet Holman (Engl & Senate)	1967
J. W. G. Gourlay (Lib) <u>ex officio</u>		Wright Bryan (Adm), <u>ex officio</u>	

13. Special Advisory Committee for Disposal of Poisonous Chemicals

Norwood Page (Ag Chem), Chairman
Henry Polk (Chem)
J. J. Porter (TC)
Ralph Collins, ex officio

14. Special Advisory Committee on Use of Radioactive Materials

J. G. Dinwiddie (Chem), Chairman
K. Lehotsky (Forestry)
T. D. Efland (IM-TS)
S. G. Nicholas (Engr)

15. Improvement of Undergraduate Teaching. A standing Committee, appointed this year for the first time, to recommend ways and means of improving undergraduate teaching and undergraduate educational programs.

H. H. Macaulay, Chairman (1969)

H. N. Cooledge (Arch)	1967	R. E. Ware (Zool)	1967
Jim Edwards (ME)	1968	L. M. Bauknight (AgEc)	1968
M. A. Owings (Engl)	1969	C. C. Davis (IM)	1969
A. J. McCutchen (CE)	1967	J. H. Hobson (Chem)	1968
C. V. Aucoin (Math)	1967	J. B. Whitney (Bot & Senate)	1968
H. F. Landrith (Educ)	1969	President, sophomore class	
		President, junior class	
		Donald W. Shelley, Student Senate	
		Appointee	

MINUTES OF THE FACULTY SENATE
MAY 3, 1966

The Faculty Senate met on May 3 at 4:15 p.m. in Room 101 of the Physics Building, President J. M. Stepp presiding. After the minutes of the preceding meeting had been corrected and approved, Dr. Stepp introduced the new members of the Senate and reviewed briefly the history of the Senate, now completing its tenth year.

Referring to Senatè recommendations submitted to Dean J. K. Williams, Dr. Stepp reported as follows:

- (1) The Welfare Committee's suggestions on tenure will be submitted to the Educational Council with Dean Williams recommendation for approval.
- (2) The Admissions and Scholarship Committee's recommendation to require a grade-point ratio of 2.0 on courses designated by a student's major department will be presented to the Educational Council with the suggestion that it be sent back to the Senate for reconsideration.
- (3) The Policy Committee's recommendation that a committee be established to study problems related to graduate assistant teaching will be implemented and broadened to include the study of all undergraduate teaching.

Dr. Stepp announced that the following Senators were serving or would be serving on standing committees of the Faculty.

Admissions	R. A. Banister
Basic Research	M. A. Boone
Curriculum	J. T. Long
Fine Arts Series	M. S. Steadman
Graduate Council	R. C. Harshman
Honors and Awards	Eugene Park
Honors Program Council	A. T. Hind
Improvement of Undergraduate Teaching	J. B. Whitney
Library	J. D. Antrim
Patents	D. W. Bradbury
Schedule	E. A. Gunnin
University Archives	Harriet Holman

The meeting concluded with the election of officers and members of the Committee on Committees for 1966-67. Officers elected were:

President	J. T. Long (Electrical Engineering)
Vice-President	H. G. Lefort (Ceramic Engineering)
Secretary	L. L. Henry (English and Mod. Languages)

The following were named to the Committee on Committees:

M. A. Boone (Agriculture)	W. C. Bowen (Education)
J. E. Pinckney (Architecture)	R. A. Banister (Engineering)
H. E. Vogel (Arts & Sciences)	J. L. Richardson (IM & TS)

Absent:

J. D. Antrim
D. W. Bradbury
R. C. Harshman
Harriet Holman

Respectfully submitted,

Herman M. Felder, Jr., Secretary

A. F. Newton, R. F. Nowack, J. J. Porter,
J. L. Richardson, R. T. Reep, and J. M. Wannamaker

NEW FACULTY AND STAFF 1966-67

Those members of the faculty and staff who joined the University during the period, September 1, 1965 - June 1, 1966, are:

Bardes, Bruce P., Assistant Professor of Metallurgical Engineering; S.B., S.M. and Sc.D. Massachusetts Institute of Technology; Married; 6-C Daniel Drive.

Baumgardner, Reginald Andrew, Extension Food Processing Specialist; Department of Horticulture; B.S. Clemson University, M.S. and Ph.D. University of Maryland; Married; 104 Skyview Drive.

Baxter, Luther, Associate Professor of Botany; B.S. Eastern Kentucky State, M.S. and Ph.D. Louisiana State University; Married; Route 2, Bayshore Estates, Seneca, South Carolina

Cathcart, E. V., Resident Manager, The Clemson House; Married; 15-B Pendleton Road.

Durant, John, Assistant Professor of Entomology and Zoology, Pee Dee Experiment Station; B.S. and M.S. Clemson University; Married.

Gillingham, John T., Assistant Chemist, Agricultural Chemical Services; B.S.A. University of British Columbia, M.S. MacDonald College, Ph.D. Clemson University; Married; 122 Strode Circle.

Gordon, Chester Darnal, Assistant Entomologist; B.S. University of Tennessee; Married; 19-A Daniel Drive.

Harvey, Lawrence Harmon, Extension Agronomist; B.S.A. and M.S. University of Georgia; Married; 200 Maple Boulevard.

Haun, J. R., Associate Professor of Horticulture; A.B. Berea College, M.S. and Ph.D. University of Maryland; Married; Pike Road, Mountain View Estates.

Hays, Rebecca Lanier, Assistant Professor of Entomology and Zoology; B.A. Berea College; Married; Holden Street.

Jackson, Herman Brown, Jr., Assistant Entomologist, Crop Pest Commission; B.S. Clemson University, M.S. Auburn University; Married; Apt. 3, Lakewood Terrace

Nahory, William, Assistant Professor Architecture; B. Arch. Miami University, M.R.P. University of North Carolina; Married; A. G. Odell & Associates, 102 W. Trade St., Charlotte, N. C.

Nichols, Cecil, Associate Communications Editor; B.J. University of Missouri; Married; 303 W. Fredericks Street, Anderson, S. C.

Northern, William Laurus, Leader Extension Dairy Science Work; M. Ag. West Virginia University; Married; 205 Lark Circle.

Opliger, Mrs. Pamela, Assistant in Agricultural Chemical Services; B. A. Agnes Scott College, M. S. Emory University; Married; 33-R Dunavan Road.

Pinder, A. R., Professor of Chemistry; B. S. and Ph. D. University of Sheffield, D.Sc. and Ph. D. Oxford University; Married; 325 Woodland Way.

Poteat, Laurence, Associate Professor of Ceramic Engineering; E. M. E. North Carolina State University at Raleigh, M. S. Stanford University, and Ph. D. North Carolina State University at Raleigh; Married; 108 Clarendon Drive.

Privette, Charles Victor, Jr., Assistant Extension Agricultural Engineer; B.S. Clemson University; Single; Box 1017, Clemson.

Richardson, Miss Eleanor Joyce, Assistant 4-H Club Agent; M. S. Auburn University; Single; The Clemson House.

Russell, Donald, Statistical Assistant, Experimental Statistics; B.S. Clemson University; Single; 138 Augusta Court, Greenville, S. C.

Williamson, Horace H., Associate Professor of Architecture; B.S. and B. Arch. Georgia Institute of Technology, M. Arch. Rensselaer Polytechnic Institute; Married; Robin Hill Apartments.

Faculty and Staff who have joined the University since June 1, 1966 are:

Allee, Marshall Craig, Instructor in Biology at Clemson University at Greenville TEC; B.A. Shorter College, M.S. Clemson University; Married; 27-B Martin Street.

Allen, Robert Max, The Belle W. Baruch Professor of Forestry; B.S. and M.S. Iowa State College, Ph. D. Duke University; Married; 402 Skyview Dr.

Anderson, Jacob C., Jr., Assistant Professor of Mathematics, Clemson University at Sumter; B.S. University of Southwestern Louisiana, M.S. Clemson University; Married.

Armistead, Myra Ann, Documents Librarian; B.A. Furman University, M. Ln. Emory University; Single; Finley Apartments.

Barnhill, James Wallace, Assistant Professor of History; B.A. Presbyterian College, M.A. Northwestern University; Married; 110 Riggs Drive.

Bowers, James Harrison, Staff Physician; B.S. Clemson University, M. D. South Carolina Medical College; Married; Royal Acres.

Brantley, Herbert, Head, Department of Recreation and Park Administration and Associate Professor of Recreation; A. B., M.A. and Ph. D. University of North Carolina; Married; 229 Riggs Drive.

Brown, Lamar, Associate Professor of Architecture; B. Arch. Auburn University; Married; 13-B Daniel Drive.

Brown, Robert L., Visiting Lecturer in Industrial Management; A. B. Samford University, M. A. University of Alabama and Ph. D. Purdue University; Married;

Burnett, Major Roy P., Assistant Professor of Aerospace Studies; B.S. and M.S. Utah State University; Married; 100 Wren Street.

Busby, James Tillman, Jr., Assistant in Dairy Extension; B.S. Clemson University; Married; Greenville Street, Pendleton, S. C.

Busching, H. W., Assistant Professor of Civil Engineering; B.S. and B.A. Valparaisa University, M.S. and Ph. D. Purdue; Married; 211 Mulberry St.

Byrd, Laurie Lawson, Assistant Professor of Education; B.A. Furman University, M. Ed. University of South Carolina, Ed. D. Duke University; Married;

Calhoun, Captain James N., Assistant Professor of Aerospace Studies; B.S. Clemson University; Married; Karen Drive.

Camper, Nyal Dwight, Assistant Professor of Botany; B.S. and Ph.D. North Carolina State University at Raleigh; Single; 10-D Daniel Drive.

Cholewinski, Frank M., Associate Professor of Mathematics; E.P. and M.S. Auburn University, Ph.D. Washington University; Married; Bayshore Estates, Route 2, Seneca, S. C.

Coffey, Janice Carlton, Assistant Professor of Botany at Clemson University at Sumter; B.S. Appalachian State Teachers College, M.S. University of South Carolina; Married.

Coffin, Laurence O., SSG (E-6), Administrative Sergeant, Military Science; Single; Route 5, Seneca, S. C.

Collins, Samuel Robert, Assistant Professor of Chemistry at Clemson University at Greenville TEC; B.S. Harding College, M.S. Louisiana State; Married.

Cook, Bruce F., Acting Director of Bands and Assistant Professor of Music Education; B. Music Ed. and M.A. West Texas State University; Married; 9-B Daniel Drive.

Cover, Alan S., Assistant Professor of Mathematics; B.S. Indiana State College, M.A. and Ph.D. Pennsylvania State University; Single; 8-B Daniel Drive.

Crook, Lynn, Assistant Professor of Food Science & Biochemistry; B.S. Furman University, M.A. The Johns Hopkins University, Ph.D. Emory University; Married;

Cross, Joan T., Instructor in English; A.B. Stetson University, M.A. University of North Carolina; Married; 6-A Daniel Drive.

Cross, Robert Lyman, Instructor in English; A.B. Stetson University, M.A. University of North Carolina; Married; 6-A Daniel Drive.

Davenport, Mrs. Dorothy H., Instructor in Nursing; R.N. Emory University, B.S. Furman University and M.Ed. State College of Massachusetts; Married; 21 Vicki Circle, Greenville, S. C.

Di Benedetto, Guy R., Instructor in History; B.A. Brooklyn College, M.A. University of North Carolina; Single;

Drake, T. L., Assistant Professor of Mechanical and Electrical Engineering; B.S. Tri-State College, M.S. and Ph.D. Michigan State University; Married; 113 Holden Drive.

Edwards, Mary Olson (Mrs. Thomas W. Edwards, Jr.), Instructor in Chemistry at Clemson University at Greenville TEC; B.A. Agnes Scott College; Married; 22 Jones Avenue, Greenville, S. C.

Evans, Noel David, Instructor in History at Clemson University at Sumter; A.A. Casper College, B.A. Furman University; Married.

Ganim, Virginia Lynn, Instructor in English at Clemson University at Greenville TEC; B.A. and M.A. University of North Carolina at Greensboro; Single;

Geldard, John Francis, Assistant Professor of Chemistry; B.S., M.S. and Ph.D. University of Sydney; Single; 17-D Riggs Drive.

Gerster, Giuseppe Alexander, Visiting Assistant Professor of Architecture; Cand. Arch. Technische Hochschule, Zurich; Diploma in Architecture, Eidgenössische; Single.

Gooch, Mrs. Dixie Reed, Instructor in English at Clemson University at Greenville TEC; B.A. Presbyterian College, M.A. Clemson University; 142 Fort Rutledge Road.

Goree, James Gleason, Assistant Professor of Engineering Mechanics; B.S. and M.E. University of Florida, M.S.A.E. University of Washington; Married; 19-B Daniel Drive.

Graham, W. Doyce, Jr., Assistant Professor of Agronomy; B.S. Texas Tech College, M.S. Purdue University; Married;

Gray, Furman Ray, Visiting Lecturer in Industrial Management; B.A. Furman University, CPA; Married; 13 Perrin Street, Greenville, S. C.

Hatcher, Robert Dean, Jr., Assistant Professor of Geology; B.A. and M.S. Vanderbilt University, Ph.D. University of Tennessee; Married; Apt. 6, Lakewood Terrace, Edgewood Avenue.

Hollingsworth, Mrs. Joanne S., Instructor in Nursing; B.S. Simmons College; 2315 N. Main Street, Anderson, S. C.

James, Captain Richard D., Assistant Professor of Military Science; B.S. United States Military Academy; Married; 214 Isaqueena Trail.

Johnson, Thomas Hatcher, Assistant Professor of Recreation and Park Administration; A.B., M.A. University of North Carolina; Married;

Jones, Rudolph M., Assistant Professor of Engineering Graphics at Clemson University at Greenville TEC; B.S. University of South Carolina, M.S. Clemson University; Married; 257 Riggs Drive.

Keegan, Harry J., J. E. Sirrine Lecturer in Textile Science; B.M.E. George Washington University; Married;

Keller, Frederick Jacob, Assistant Professor of Physics; B.S. Marshall University, M.S. and Ph.D. University of Tennessee; Married; 203 Oak St.

Knowland, Ralph Edward, Associate Professor of Architecture; B.Arch. University of Manitoba, M. Business Administration University of Western Ontario; Married;

Ligon, James T., Associate Professor of Agricultural Engineering; B.S. Clemson University, M.S. and Ph.D. Iowa State University; Married; 218 Willow Street.

Livingston, James L., Instructor in English; A.B. and M.A. University of Detroit; Married;

Long, Melvin, Editor of Information Services; B.S. Clemson University; Married; 103 Findley Street.

Lomax, Manning V., Resident Counselor; B.S. Clemson University; Married; Apartment A, Dormitory 2.

Lukawecki, Ann Russell, Assistant Professor of Nursing; A.B. Shorter College, B.S. Emory University, M.A. University of Chicago; Married; P. O. Box 189, Bayshore Estates, Route 2, Seneca, S. C.

Lund, Anders Edward, Associate Professor of Forestry; B.S.F. Colorado State University, M.F. and D.F. Duke University; Married; 26-A Barre St.

Lyons, Donald W., Assistant Professor of Mechanical Engineering and Textile Science; B.S., M.S., and Ph.D. Georgia Institute of Technology; Married;

Lyons, Mrs. Ruth-Marie F., Instructor in Entomology and Zoology; B.S. Lander College, M.S. Clemson University; Married; 236 F. Street.

Lytle, John S., Assistant Professor of Agricultural Economics; B.S., M.S. and Ph.D. Ohio State University; Married;

McCarter, Colonel E. H., Financial Analyst; B.S. Clemson University; Married; The Clemson House.

Miller, Landon Carl, Extension Horticulturist; M.S. Clemson University; Married; 23-A Barre Street.

Morgan, Mrs. Barbara Walker, Assistant Professor of Education; A.B. and M.Ed. University of South Carolina, Ed. D. University of Illinois; Married;

Mullen, John, Jr., Instructor in Mathematics at Clemson University at Sumter; Married.

Nolen, Thomas Daniel, Extension Management Specialist; M.S. Auburn University; Married; 107 Allee Street.

Pappenhagen, James, Visiting Lecturer in Environmental Systems Engineering; B.S., M.S. and Ph.D.; Married.

Pardue, Fred Eugene, Associate Extension Dairy Science Specialist; M.S. University of Kentucky; Married; 209 Riggs Drive.

Parrado, Pedro Francisco, Instructor in Spanish; Ll. D. University of Havana; Married;

Patton, Robert H., Head Freshman Football Coach; B.S. Clemson University; Married; 108 Lark Street.

Paynter, Malcolm James Benjamin, Assistant Professor of Environmental Systems Engineering; B.S., M.S. University of Sheffield and Ph.D. University of California; Married;

Pope, Robert Martin, Jr., Instructor in Economics; B.S. The College of Charleston, M.A. Tulane University; Married;

Powell, Dorothy Jane, Professor of Nursing; B.S. Siena College, M.A. Memphis State University; Single; Apartment 3, Building 9, Bailey Court, Anderson, S. C.

Ray, John Robert, Assistant Professor of Physics; B.S. Rose Polytechnic Institute, Ph.D. Ohio University; Married;

Reiter, Mrs. Betty Baker, Instructor in Mathematics at Clemson University at Greenville TEC; B. A. University of North Carolina at Greensboro, M.S. Clemson University; Married; 22-L East Campus Apartments.

Rendu, Denise, Visiting Instructor in French; B. A. College Ste. Marie, Neiuilly sur-Sein, Licencie es Lettres Sorbonne; Single;

Reneke, James Allen, Assistant Professor of Mathematics; B. A. and M. A. University of Florida, Ph. D. University of North Carolina; Married; 212 Mulberry Avenue.

Rice, Margaret K. (Mrs. E. A. Rice), Instructor in French at Clemson University at Greenville TEC; A. B. University of North Carolina at Greensboro, M. A. Columbia University; Married; 223 Meyers Drive, Greenville, S. C.

Riggs, Gayle Don, Assistant Professor of Industrial Management; A. B. Drury College, M. B. A. University of Arkansas;

Sawyer, Corinne Holt, Assistant Professor of English; B. A. and M. A. University of Minnesota, Ph. D. Shakespeare Institute, University of Birmingham, England; Married;

Searson, Marilyn, Librarian at Clemson University at Sumter; A. B. Newberry College, M. S. in L. S. University of North Carolina; Single.

Squyres, James E., Assistant Professor of Vocational Education; B. S. and M. S. Northwestern State University; Married; 17 Sunset Drive.

Steiner, Pinckney Alston, Assistant Professor of Physics; B. S. University of Georgia, Ph. D. Duke University; Married;

Steirer, William F., Jr., Assistant Professor of History; B. A. Gettysburg College, M. A. University of Pennsylvania; Married; 104 Carolus Drive.

Taul, Leroy Keenan, Veterinary Virologist, Livestock-Poultry Health Department, Columbia; D. V. M. University of Georgia; Married.

Thoet, Charles F., Jr., Instructor in Spanish; B. A. University of Florida, M. A. University of Kentucky; Single;

Ulbrich, Carlton Wilbur, Assistant Professor of Physics; B. S., M. S. and Ph. D. University of Connecticut; Married; 106 Highland Drive.

Vaughn, Edward Allen, Instructor in Textiles; B.S. Lynchburg College, M.S. Institute of Textile Technology; Married; 3-C Palmetto Boulevard.

Wang, Samuel, Assistant Professor of Architecture; B.A. Augustana College, M.F.A. University of Iowa; Single.

Watson, Katherine Ramsey, Instructor in Mathematics at Clemson University at Greenville TEC; B.A. College of William and Mary, M.A. University of South Carolina; Married; 583 East Faris Road Extension, Greenville, South Carolina.

Welsh, William Austin, Jr., Assistant Professor of Civil Engineering; B.S. Swarthmore College, M.S. University of Illinois; Married;

Weser, Don Benton, Instructor in Chemistry at Clemson University at Sumter; B.S. Bethany College, M.S. West Virginia University; Married

White, David F., Jr., Assistant Professor of Philosophy; B.A. University of Richmond, B.D. Southern Baptist Theological Seminary; Married; Westminster Street, Forest Hills, Pendleton, S. C.

Wilder, Josephine Williams, Instructor in French at Clemson University at Sumter; A.B. Winthrop College, M.A. University of South Carolina; Married.

Williams, Patricia L., Lecturer in French; B.A. Coker College; Married.

Wolla, M. L., Associate Professor of Electrical Engineering; B.S. North Dakota State University, Ph.D. Michigan State University; Married;

Yates, O. Irene, Instructor in English at Clemson University at Sumter; A.B. Winthrop College, M.A. University of Virginia; Single; 34 Adams Avenue, Sumter, S. C.

CONFERENCE ROOM IN 28 TILLMAN HALL AVAILABLE

The Conference Room in 28 Tillman is again available for committee meetings and conferences. At present there are accommodations for fourteen people. It is planned to add another table and enough chairs so that a maximum of eighteen persons can meet in this room.

Scheduling of the Conference Room will be done by Mrs. Linda E. Mann, Extension 269, on a first-come-first-served basis. If you wish to use the room, all that is necessary is to make a reservation with Mrs. Mann.

COMMITTEES FOR CLEMSON UNIVERSITY CHAPTER OF THE SOCIETY OF THE SIGMA XI FOR
THE ACADEMIC YEAR, 1966-67

1. Executive Committee

W. P. Byrd, President
J. F. Andrews, Vice-president
L. O. Drew, Secretary
R. W. Henningson, Treasurer

2. Admissions Committee

R. W. Moorman (1965-66, 1966-67)
C. V. Aucoin (1966-67)
Henry Lefort (1966-67)
W. V. Chalupa (1966-67, 1967-68)
R. C. Harshman (1966-67, 1967-68)
W. P. Byrd, Chairman ex officio

3. Program Committee

F. I. Brownley, Jr.
W. V. Chalupa
W. E. Gettys
F. C. Alley, Chairman
J. F. Andrews, member ex officio

4. Nominating Committee

J. W. Kenelly
J. B. Whitney, Jr.
H. H. Wilson, Chairman

5. Auditing Committee

J. D. Antrim, Chairman
J. J. Porter
D. E. Turk

6. Ad hoc Committee on
Constitution and Bylaws

W. E. Castro
G. R. Craddock
J. G. Dinwiddie, Jr., Chairman

1966 SUMMER SESSIONS ENROLLMENT

For the first time since two full summer sessions were inaugurated at Clemson University in 1962, the two sessions were nearly equal in size. There were 1803 students enrolled in the First Session and 1736 in the Second.

During the past five years enrollment for the summer sessions has consistently increased.

<u>Year</u>	<u>First Session</u>	<u>Second Session</u>	<u>Total</u>
1962	1386	914	2300
1963	1347	1007	2354
1964	1533	1202	2735
1965	1833	1383	3216
1966	1803	1736	3539

CHANGES MADE IN SUBSISTENCE ALLOWANCES:

As of July 1, 1966, the maximum total subsistence expenses (meals and lodging) have been increased from \$10.00 to \$12.50 for trips within the State and from \$12.50 to \$16.00 for trips involving out-of-state travel.

RESEARCH FACULTY COUNCIL MEMBERSHIP: 1966-67

<u>Name</u>	<u>Dept.</u>	<u>Campus Address</u>	<u>Telephone</u>	<u>Term Ends</u>
M. B. Bishon	Chem	214 Brackett	239	1967
E. C. Godley	AnSci	213 PGAS	286	1967
E. V. Chalupa, V. Chairman	DySci	126 PGAS	230	1967
A. E. Schwartz, Chairman	CE	218 Civil Engr.	223	1967
D. S. Jones	Agron	276 PGAS	292	1968
G. R. Craddock, Secretary	Agron	271 PGAS	288	1968
Tah-teh Yang	ME	Engr Lab	302	1968
J. V. Walters	Text	206 Sirrine	350	1968
J. J. Porter	TC	11 Sirrine	350	1969
L. G. Van Blaricom	Hort	109 Food Ind.	244	1969
B. P. Byrd	Exp Stat	275 PGAS	336	1969
B. C. Fox	Ent	306 Long	256	1969

J. N. THURSTON NAMED ALUMNI PROFESSOR

Dr. J. N. Thurston of the Department of Electrical Engineering has been awarded the College of Engineering's first Alumni Professorship. With his acceptance of this Professorship, he has been relieved of his administrative duties as head of the department in order that he can devote his full-time efforts to teaching and curriculum development. Dr. Thurston, who has degrees from Ohio State University and M.I.T., has a distinguished record in teaching at the University of Florida, California Institute of Technology, and Clemson University.

GIFTS AND GRANTS

--From Allied Chemical Foundation, \$1500 to textiles for student scholarships.

--From Burlington Industries, \$2,000 to IM-TS for unrestricted use.

--From the Water Pollution Control Administration, U. S. Department of the Interior, \$31,281 educational programs in water supply and pollution control.

--From NSF, \$22,446 to the University for general purposes in science education.

--From the J. E. Sirrine Textile Foundation, \$17,238 to Textiles for educational purposes.

--From the Department of Health, Education and Welfare, \$489,138 toward construction of a classroom building.

--From Research Corporation of America, \$3380 to J. L. von Rosenberg (Chem) for research entitled "pi-complexes between metals and cyclopropane rings."

PERSONAL MENTION

--Dr. John E. Miller, Alumni Professor of Physics has resigned, effective August 31, to accept the position of Dean of Arts and Sciences at Florida Institute of Technology beginning September 1.

Dr. Miller has been at Clemson for fourteen years and has contributed much to the advancement of the academic program. He has served two terms as President of the Academic Faculty, as well as a member of various faculty committees. He was selected as one of Clemson's first Alumni Professors.

--Frank Cholewinski, Associate Professor, Mathematics Dept., has been invited to participate in the Lecture Program of the Society for Industrial and Applied Mathematics for the year 1966-67.

--L. E. Hill (Econ) has published "Use and Abuse of Mathematics in Economics," American Journal of Economics and Sociology, (April 1966).

--H. G. Spencer, of Chemistry was invited to participate as a guest lecturer in the Conference on Organic Coatings Technology held June 6-10 at Wayne State University.

--W. A. King (Dairy Sci) presented a paper entitled "Green Chop Feeding of Coastal Bermuda Grass" at the annual meeting of the American Dairy Science Association at Corvallis, Oregon on June 27-29.

--Ray Abernathy (E.S.E.) attended the 21st Annual Purdue Industrial Waste Conference May 3-5 where he chaired one of the technical sessions.

--W. J. Lanham (Ag Ec) participated in an Agricultural Policy Institute conference on "The Future Economic Development of the South" at New Orleans, May 31-June 2.

--L. E. Talbert (Ag Ec) attended a Workshop on Income Distribution and presented a formal discussion paper on "Rural-Urban Interdependencies and Their Effects on the Distribution of Income." He also presented a report to the Southern Land Economics Research Committee which met in conjunction with the Workshop in Raleigh, N. C., on June 6-8, 1966.

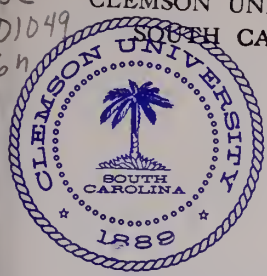
--H. H. Macaulay (Econ) will serve as a member of the Charleston, South Carolina Export Expansion Council during the coming year.

--E. M. Lander (Hist) has accepted a Fulbright lectureship in American History at Jadavpur University, Calcutta, for 1966-67. He will be on sabbatical leave from Clemson during that time.

--H. J. Wheeler (Econ) has completed the requirements for the Ph.D. degree in economics from the University of Virginia. The degree will be awarded at the next Commencement.

--Representatives from 70 industrial, financial, and educational institutions participated in the ninth annual series of courses for Professional Development conducted by the School of Industrial Management and Textile Science, May 23 through July 1.

--C. O. Shuler (IM) obtained his Ph.D. in June from the American University.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 2

September 1, 1966

SEP 6 1966

CALENDAR: SEPTEMBER 1-15

- | | | |
|----------|----|---|
| Sept. 1 | Th | President and Mrs. Edwards "At Home" to Faculty, Staff, and People of Community, 8-10 p.m. |
| Sept. 5 | M | Educational Council--President's Office (meets every first Mon.), 9 a.m. |
| Sept. 5 | M | Dr. J. B. Garner of Louisiana Polytechnic Institute will lecture on "Linear Differential Systems with Multiple Boundary Conditions" at 3 p.m. in Physics Auditorium 101. Prior to this lecture, at 2:30 p.m., a coffee hour will be held in Room 0-105 of the Mathematics-English Building. |
| Sept. 7 | W | Immunization Day--Student Lounge. |
| Sept. 14 | W | Newcomers' Party, Clemson House, 8 p.m. |

NOTE TO CAMPUS CLUBS AND ORGANIZATIONS

The NEWSLETTER Calendar will be a regular part of the NEWSLETTER. It will carry individual meeting dates, places, and speakers. The secretary or president should send this information to the Dean of the University Office, 17 Tillman Hall, by the 8th and 23rd of each month so that it may be inserted into the calendar. A yearly schedule may be sent and it will be used when appropriate.

NEWSLETTER NOTE

The Clemson faculty and staff Newsletter is printed twice each month and distributed through inter-office mail to each member of the faculty and staff.

Material in the Newsletter is furnished through the offices of the four executive officers of the University. Academic and research information comes from the office of Vice-President for Academic Affairs Victor Hurst, phone 312; information on business affairs, physical plant, and non-academic personnel matters comes from the office of Vice-President for Business and Finance M. A. Wilson, phone 343; student affairs information comes from the office of Vice-President for Student Affairs W. T. Cox, phone 241; and other information comes from the office of Vice-President for Development Wright Bryan, phone 344. Material should be submitted through appropriate administrative channels. Deadlines are the 8th and 23rd of each month.

AGRONOMY ADDS ASSISTANT PROFESSOR TO FACULTY

Professor James A. Wright will join the agronomy department on October 1 as an assistant professor of agronomy and soils. He is a native of Marion, North Carolina, is married with two children. He received his bachelor's degree from N. C. State, majoring in field crops. He earned his master's degree from the University of N. H. in plant breeding. For the past several years he has been completing the requirements for the Ph.D. degree in plant breeding. He is a member of Alpha Zeta, Sigma Xi, and the American Society of Agronomy.

NEW INSTRUCTOR OF FRENCH ADDED TO ENGLISH AND MODERN LANGUAGES DEPARTMENT

Miss Mary Jean Fazio of Bluefield, West Virginia has been added to the Arts and Sciences faculty as an instructor of French. She received the B.A. degree from Radford College in Virginia, majoring in French. She has completed the requirements for the M.A. degree in French at the University of North Carolina. While at Radford, she was a member of the Honor Society.

SOCIAL SCIENCES DEPARTMENT ADDS PSYCHOLOGY PROFESSOR

Dr. Cletus B. Caffrey of New Salem, Pennsylvania has joined the Social Sciences department. He graduated with honors from Saint Vincent College and received the B.A. degree. He received both the master's degree and the Ph.D. degree from The Catholic University of America in Washington, majoring in Psychology.

TWO AUGUSTUS G. SHANKLIN PRIZES ESTABLISHED

The Honors and Awards Committee of the Clemson University faculty has authorized the establishment of two Augustus G. Shanklin Prizes, which will be presented on Honors and Awards Day in 1967 and each succeeding year thereafter. One of these will be named the Augustus G. Shanklin Prize in Aerospace Studies and the other will be known as the Augustus G. Shanklin Prize in Military Science.

DATES AND DATA BOOKLETS AVAILABLE

Additional copies of Dates and Data may be obtained by calling the Alumni Office at extension 345. Dates and Data is the pocket size calendar and data book of university events published by the Clemson Alumni Association.

NEW UNIVERSITY SWITCHBOARD TO BE INSTALLED BY OCT. 15

Due to delay in arrival of telephone equipment Southern Bell has found it necessary to re-schedule installation of an additional university switchboard. The target date now for installing the new equipment is October 15th. Requests for additional lines should be made after the above date. Extensions to existing lines can continue to be installed on a limited basis.

MINUTES OF THE RESEARCH FACULTY COUNCIL MEETING
AUGUST 16, 1966

The monthly meeting was called to order at 4:05 p.m., 101 Physics Building, August 16, 1966, by Vice-Chairman Chalupa.

Several minutes were spent discussing the forthcoming new faculty orientation tour on August 17-18. More older staff members were needed as tour guides and Dr. Chalupa appointed Cecil Godley and L. O. VanBlaricom to assist. General instructions were reviewed. W. V. Chalupa indicated that he had attended the Education Council meeting for Chairman Schwartz and indicated that he also would attend the luncheon for freshmen in the Honors Program. He also advised of correspondence by Chairman Schwartz to Dean Hurst regarding increased representation on the Council from the College of Arts and Sciences and the School of Education. Dr. Godley noted that according to the present constitution, no new allocations could be made until the calendar year of 1967-1968. W. V. Chalupa also indicated that J. J. Porter has been approved as official liaison representative to the Faculty Senate.

Committees were not canvassed for reports and the meeting adjourned at 4:40 p.m.

Respectively submitted,

G. R. Craddock, Secretary

Absent:

G. R. Craddock
L. O. VanBlaricom
M. B. Bishop
J. E. Miller
A. E. Schwartz
Tah-Teh Yang
J. J. Porter

ORIENTATION PACKETS OF MATERIAL AVAILABLE

There are a few packets of material left which were used in the orientation of new faculty and staff. If a staff member failed to get one, they may be secured, as long as they last, from the office of the Dean of the University, 17 Tillman Hall.

NEED FOR CORRECTLY ADDRESSED INCOMING MAIL

The volume of incompletely addressed United States mail for University personnel has greatly increased in recent months. Postal employees do not provide "Register Service", therefore, mail which does not have a street address, post office box number or a University Department identification is placed into the inter-office mail system. This creates an unnecessary work load in the University mail room and also a delay in the addressees receiving their mail.

To the extent feasible, please provide complete addresses to addressors.

CENTRAL DANCE ASSOCIATION EXTENDS INVITATION TO FACULTY AND STAFF TO ATTEND DANCES

Our student organization, the Central Dance Association, wishes to continue its policy of having as their guests members of the faculty and professional staff who desire to attend the dances they sponsor. It is not possible to include graduate students in the invitation this year.

Faculty and staff members desiring to attend a dance should secure the tickets in the Office of Student Affairs by 4:30 p.m. on the Fridays of scheduled dance weekends. Admission tickets cannot be distributed at the door.

The dates of the dances are listed below:

First Semester

August 27	Freshman Mixer
September 23-24	Rat Hop
October 14-15	Homecoming Dances
November 26	After Game Mixer

Second Semester

January 27-28	Mid-Winters
March 3-4	Spring Hop
April 14-15	TAPS Junior-Senior

GIFTS AND GRANTS

- From Eli Lilly Co., \$600 to Horticulture for Agricultural Chemical Studies.
- From Rembert Moore Machinery Co., \$600 to Horticulture for Agricultural Chemical Studies.
- From the R. J. Reynolds Tobacco Co., \$10,000 to the Pee Dee Station, Florence, S. C., for tobacco research.
- From the Upjohn Co., \$700 to Animal Science Department for animal nutrition research.
- From Eli Lilly, Elanco Products Co., \$300 to the Edisto Station, Blackville, S. C., for fungicide research.
- From the FMC Corp., Niagara Chemical Division, \$500 to Entomology & Zoology for insecticide research.
- From Chemagro Corp., \$900 to Entomology & Zoology for insecticide research.
- From United States Golf Association, \$1,100 to Horticulture for turf research.
- From the Horry County Development Board, \$850 to Agricultural Economics for a cost feasibility study in Horry County.
- From Shell Chemical Co., \$2000 to Entomology & Zoology for insecticide research.
- From Pittsburgh Plate Glass Co., \$1,000 to Edisto Station, Blackville, S. C. for fungicide research.
- From Chevron Chemical Co., \$500 to Botany and Bacteriology for plant pathology investigations.
- From Rohm and Haas Co., \$500 to Botany and Bacteriology for plant pathological investigations.
- From American Hoechst Corp., \$500 to Botany and Bacteriology for plant pathological investigations.
- From Stauffer Chemical Co., \$100 to Pee Dee Station, Florence, S. C. for flue cured tobacco problem investigations.
- From Diamond Alkali Co., \$550 to Botany and Bacteriology for plant pathological investigations.
- From the Upjohn Co., \$500 to Botany and Bacteriology for plant pathological investigations.
- From Crystal Ice Co., \$500 to Horticulture for peach processing studies.
- From Troy Cribb & Sons, \$1,500 to Food Science and Biochemistry for microbiological studies.
- From the Southern Forest Disease and Insect Research Council, \$3,769 to Entomology & Zoology for insecticide research.
- From Skodco Co., \$1,400 to Horticulture for seaweed research.

GIFTS AND GRANTS, continued

--From the Society of Sigma Xi, \$200 to Entomology & Zoology for departmental research.

--From Chemagro Corp., \$100 to Pee Dee Station, Florence, S. C., for evaluation of Meta Systox for control of tobacco insects.

--From Soil Conservation Service, \$3,000 to Agronomy for departmental research.

--From J. C. Karcher of American Humates, Inc., \$6,500 as a personal gift to the Horticulture Department for Aqua Humus research.

--From Allied Chemical Corp., Nitrogen Division, \$500 to Entomology and Zoology for insecticide research.

--From American Poultry and Hatchery Federation, \$1,000 to Poultry Science for poultry nutrition research.

--From Eli Lilly and Company, \$300 to Horticulture for Agricultural Chemical Studies.

--From Merck, Sharpe and Dohme Research Laboratories, \$6,238 to Poultry Science for research involving continuous feeding of Amprolium to laying chickens.

PERSONAL MENTION

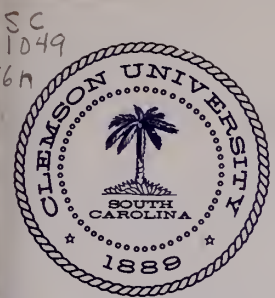
--W. V. Chalupa, Asst. Professor of Dairy Science and Robert L. Lavker, Graduate Research Assistant, Dept. of Dairy Science attended the meetings of the American Society of Animal Science at Rutgers University, July 31-August 4, 1966. Dr. Chalupa presented a paper entitled "Nutritional Evaluation of Forage Crops." Mr. Lavker presented a paper entitled "Liquid Phases for Gas Chromatography of Volatile Fatty Acids."

--Joseph H. Moore (CE) has been appointed by the Highway Research Board to its Committee D-C4 on Substructures, Retaining Walls and Foundations. From June 20 to June 25 he represented Clemson University at the annual meeting of the American Society for Engineering Education at Pullman, Washington. While there he also participated in meetings of the AGC-ASEE Educational Committee, of which he is a member. He was also appointed chairman of the Structural Engineering Committee of the Civil Engineering Division of ASEE.

--Joe Rostron (CE), president of the South Carolina Society of Engineers, attended the annual meeting held in Charleston on July 29 and 30.

--H. H. Macaulay, Alumni Professor of Economics, was elected to the Faculty Senate to fill the vacancy created by the resignation of C. Q. Brown, of Geology. Dr. Macaulay's tenure with the Faculty Senate will terminate in 1967.

--Fred H. Smith (Ext. Plant Path.) has been granted a study leave beginning November 1, 1966, to attend graduate school at the University of Georgia. He will be working toward the Ph.D. degree in Plant Pathology.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 3

September 15, 1966

CALENDAR: SEPTEMBER 15-30

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

OCT 21 1966

- Sept. 15 Th The Graduate Wives Club will meet at 8 p.m. in the upper room (lobby) of the YMCA for a "Get Acquainted" party.
- Sept. 15 Th Influenza immunization inoculations for the faculty and staff of Clemson University and their families, between the hours of 5 p.m. and 6 p.m. in Room 1 of the Physics Building. There will be a charge of \$1.00 per person.
- Sept. 19 M Mr. Charles H. Rutledge, Manager of Information Services, General Advertising and Promotion, Textile Fibers Dept. of DuPont de Nemours Co. will give a lecture on "The Development of Man-Made Fibers" in Sarrine Auditorium at 11 a.m.
- Sept. 20 T Faculty Senate will meet in the Auditorium of Olin Hall at 4:15 p.m.
- Sept. 20 T Fellowship Club, 6:30 p.m. at the Clemson House.
- Sept. 21 W Newcomers' Arts and Crafts Group, 8 p.m.
- Sept. 22 Th William Howlett, President of Consolidated Foods Corp. will speak on "Marketing for Profit" at 2 p.m. in the Sarrine Auditorium.
- Sept. 23-24 F-S Rat Hop, Dining Hall.
- Sept. 24 Sat Football--Virginia at Clemson, 2 p.m. Youth and Band Day.
- Sept. 26 M The Home Economists in Homemaking group meets with Mrs. John Bregger, 318 College Ave. at 8 p.m. All graduates of accredited colleges in Home Economics are invited.
- Sept. 26 M Forum Club will meet at 7 p.m., in the Chemistry Bldg. Conference Room.
- Sept. 28 W Newcomers' Discussion Group, 8 p.m.
- Sept. 29 Th Clemson University Council on Water Quality will meet for election of officers on Thursday, September 29th in Room 315, Civil Engineering Building.
- Sept. 30 F Freshman Football--Georgia at Athens, 2 p.m.

NOTE TO CAMPUS CLUBS AND ORGANIZATIONS

The Newsletter Calendar will be glad to carry individual meeting dates, places, and speakers. The secretary or president should send this information to Mrs. Miles, Dean of the University Office by the 8th and 23rd of each month

HARRY DURHAM APPOINTED AS HEAD OF UNIVERSITY TELEVISION CENTER

Harry Durham, former associate radio and television editor for the Department of Agricultural Communications at Clemson and for the past two and one-half years director of radio and television for Duke University, was appointed Head, Clemson University Television Center (ETV), effective September 1.

The new ETV center will render services on a University-wide basis beginning about the middle of next year. When staff and equipment needs are met the center will produce video tapes for commercial, ETV stations, and South Carolina's closed-circuit ETV network. Mr. Durham's office is in the Plant and Animal Science Building.

Mr. Durham has a BA degree in English from Auburn University and a MA degree in communications from the University of North Carolina. He has both commercial and ETV production experience. Mr. Durham and his wife, the former Ina Ruth Brooks, and children Kathy and Kelly, are living at 102 Pressley Street.

DR. MEENAGHAN RECEIVES THIRD YEAR RESEARCH CONTRACT

Dr. George F. Meenaghan (Chem. Engr.) has been awarded a third year research contract with the U. S. Army Medical Research and Development Command. The total approved for this third year is \$31,304 which makes a total of \$102,173 for the three years inclusive. Dr. Meenaghan is performing research on the "Development of Design Criteria for Deep Facultative Stabilization Ponds."

JOHN M. WANNAMAKER IS AWARDED PH.D. DEGREE

John M. Wannamaker, Assistant Professor of Industrial Management, was awarded the Ph.D. degree from Louisiana State University on August 12, 1966. His major field of study was Accounting with minors in Economics, Statistics, Management, and Finance. The title of his dissertation is "Some Expectative Aspects of Income Recognition Related to Asset Valuation."

MRS. JANICE COFFEY RECEIVES THE PH.D. DEGREE

Mrs. Janice Coffey, Assistant Professor of Botany, Clemson University at Sumter, received the Ph.D. degree in Biology, August 27, 1966 from the University of South Carolina. Her dissertation topic was "Eastern North American Luzula: A Taxonomic Evaluation."

NEXT SELECTIVE SERVICE TESTS ARE SCHEDULED FOR NOV. 18 AND 19

The next Selective Service Qualification Tests, similar to the four tests given in May and June, will be administered on Friday and Saturday, Nov. 18 and 19, Selective Service headquarters has announced. The tests will be given in all 50 states, Guam, Puerto Rico, Virgin Islands, Canal Zone, and the District of Columbia.

The three-hour test, consisting of 150 multiple choice items, "presupposes no formal education beyond the ordinary high school preparation for college," headquarters said. Eligibility will be limited to those registrants who make voluntary application and who have not taken any of the previous tests. The test will be prepared and graded by the Educational Testing Service. Scores will be forwarded directly to the examinee's local board.

"Test results are of an advisory nature only and are intended to supplement other information in the registrant's file to assist the local board in determining the eligibility of a registrant for occupational deferment as a student," a headquarters spokesman said.

UNITED STATES GOVERNMENT GRANTS UNDER THE FULBRIGHT-HAYS ACT

The August Bulletin on United States Government Grants under the Fulbright-Hays Act lists approximately 175 openings for 1967-68 in Latin America, Europe, the Near East, South and East Asia, and Africa for which applications are still being accepted. Most of the openings are lectureships, but postdoctoral research opportunities are also included. The Bulletin lists for the first time a group of lectureships in American history and literature and the teaching of English as a second language. It may be consulted at the office of the Faculty Fulbright Adviser, F. I. Brownley, Jr., Dean of the Graduate School.

The Adviser also has for faculty reference purposes an announcement of the North Atlantic Treaty Organization Fellowship Program for 1967-68 for established scholars who wish to undertake research abroad in historical, political, economic and social problems of direct interest to the Atlantic Community.

INFLUENZA IMMUNIZATION INOCULATIONS SET FOR FACULTY AND STAFF

The Student Health Service is scheduling influenza immunization inoculations for the faculty and staff of Clemson University and their families on Thursday, September 15th, between the hours of 5 p.m. and 6 p.m. in Room 1 of the Physics Building. There will be a charge of \$1.00 per person. This activity is being arranged through Dr. M. S. Steadman, Chairman of the Welfare Committee of the Faculty Senate.

DR. HURST APPOINTED TO ADVISORY COMMITTEE OF TEXTILE RESEARCH INSTITUTE

Dr. Victor Hurst, Dean of the University, has been appointed to membership on the Advisory Committee on Education of the Textile Research Institute of Princeton, New Jersey. The appointment was made by Dr. John H. Dillon, President of Textile Research Institute. The Textile Research Institute, which for some years has functioned on the Princeton University campus, has now expanded its program of graduate studies to the campuses of Rutgers University, Clemson University, and North Carolina State University. The purpose of the graduate education program of Textile Research Institute is to provide fellowships which will help to provide qualified research scientists who may eventually serve the research needs of the textile industry.

FACULTY MEMBERS MAY SUBMIT APPLICATIONS FOR FACULTY BASIC RESEARCH GRANTS

Applications are now being received by the Faculty Basic Research Committee for grants to faculty members in support of their research. Grants are made for publication as well as for research itself. A grant proposal should include the title of the proposed research, the name of the applicant, the objective of the research, a brief description of the procedures anticipated and a realistic budget. Applications may be sent to the Dean of the Graduate School, and must have the approval of the Department Head.

AD HOC COMMITTEE APPOINTED TO CONSIDER THE FRESHMAN AND SOPHOMORE PROGRAMS AT THE CLEMSON BRANCH CENTERS

An Ad Hoc committee has been appointed to consider the freshman and sophomore programs at the Clemson Centers in Greenville and Sumter. The following faculty members will serve on the committee: Dr. W. M. Epps, Dr. A. T. Hind, Dean H. F. Landrith, Prof. B. J. Todd, and Dr. R. W. Moorman. Mr. K. N. Vickery will serve as chairman ex officio of this committee.

FACULTY SENATE MEETINGS

The Executive Committee of the Faculty Senate has determined the meeting place, time, and dates of the 1966-67 Faculty Senate meetings as follows:

Meeting Place: Auditorium of Olin Hall

Time: 4:15 P.M.

Dates: Tuesday, September 20, 1966
Tuesday, October 18, 1966
Tuesday, November 15, 1966
Tuesday, December 6, 1966
Tuesday, January 10, 1967
Tuesday, February 14, 1967
Tuesday, March 14, 1967
Tuesday, April 11, 1967

Minutes of the Faculty Senate

August 30, 1966

The Faculty Senate met on August 30, 1966, at 4:15 p.m. in the Ceramics Engineering Auditorium with President J. T. Long presiding. The minutes of the May meeting were read and approved following correction. Dr. Long announced that this was the 117th meeting of the Senate, the beginning of its eleventh year.

Dr. Long reported that Dr. H. G. Lefort, Vice-President, had represented the Senate at a meeting of the Educational Council and in planning and carrying out the orientation program for new members of the faculty and staff and that Dr. L. L. Henry, Secretary, had represented the Senate at a meeting of the Clemson Alumni National Council.

Dr. H. H. Macaulay was welcomed as the replacement in the Senate for Dr. C. Q. Brown, who has resigned.

Dr. Long announced chairmen of the three standing committees of the Senate: Admissions and Scholarship, Dr. T. L. Senn; Policies, Dr. J. B. Whitney; and Welfare, Dr. M. S. Steadman. He also announced that Dr. M. S. Steadman, Dr. J. M. Stepp, and Prof. Eugene Park have been appointed to a liaison committee on student health problems.

Dr. J. D. Antrim, Senate representative on the parking committee, was recognized for a report on the new parking plan being instituted on campus.

Senate representatives on standing committees of the University were then recognized. Prof. R. A. Banister reported that the Admissions Committee felt that not enough counseling is being done by members of the faculty in guiding students' choices of major courses. Dr. J. B. Whitney announced that the newly-formed committee to study ways of improving undergraduate teaching had formed the following sub-committees: goals, evaluation of faculty, and use of graduate students in teaching.

Dr. Long announced that he, Dr. J. M. Stepp, and Dr. A. T. Hind would serve as Senate representatives on the committee to choose recipients of honorary degrees.

Dr. Long reported that Dean Hurst was generally pleased with faculty participation in the orientation program for new members of the faculty and staff but had asked for suggestions for improvement of the program.

It was pointed out that there is a conflict in meeting dates of the Faculty Senate and the Research Faculty Council. The Executive Committee will consider this problem.

The meeting was adjourned at 4:40 p.m.

Respectfully submitted,

Absent:

M. A. Boone

T. L. Senn

M. S. Steadman

Louis Henry
Louis Henry, Secretary

LH/lm

LIBRARY DEDICATION OCTOBER 14

The Clemson University Library will be dedicated on October 14. President Edwards has appointed the following Ad hoc Library Dedication committee: Gordon Gourlay, Chairman, A. E. Schwartz, J. T. Long, M. A. Owings, J. N. Thurston, H. H. Macaulay, H. N. Cooledge, and Wright Bryan.

BLUE CROSS OPENS ANNUAL RE-ENROLLMENT PERIOD

Representatives of Blue Cross-Blue Shield Insurance will be on campus September 25 through October 25, 1966. This is the annual re-enrollment period for group insurance available to all faculty members and other regular employees of Clemson University.

During this re-enrollment period any member of the Blue Cross-Blue Shield program may make changes (additions, deletions, etc.) if desired to fit their individual and/or family needs. Initial applications will also be accepted during this period for those who desire insurance coverage through this plan.

New employees may apply for insurance anytime during their first 31 days of employment. Other employees may apply for insurance or request changes in present coverage only during the annual re-enrollment period, September 25-October 25. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time.

Appointments may be made with the representatives by telephoning Mr. W. J. Stamey in the Personnel Office, Ext. 365.

PERSONAL MENTION

--J. E. Stephens (PoulSci) presented two papers entitled "Some Physiological Effects of Coccidiosis Caused by Eimeria Maxima," and "Effect of Buquinolate on Growth and Egg Production of White Leghorn Pullets." B. D. Barnett was co-author of this paper and was chairman of a joint section on nutrition and pathology. He also served on the nominating committee.

--D. E. Turk (PoulSci) presented two papers entitled "Comparison of ¹³¹I Oleic Acid and Zinc-65 Absorption in Eimeria Necatrix Infected Birds," and "Effect of Sulfaquinoxaline Treatment of Eimeria Necatrix Infections Upon Zinc-65 Absorption."

--B. W. Bierer (Livestock-Poul Health) presented a paper co-authored by T. H. Eleazer entitled "Furaltadone Hydrochloride in Treatment of Avian Vibrionic Hepatitis and Chronic Respiratory Disease Complex in Chickens."

--C. B. Caffrey (Psych) read "Reliability and Validity Assessments of Psychological Measures Obtained in a Study of Coronary Heart Disease" as part of a Symposium at the American Psychological Association meetings in New York City, September 6.

PERSONAL MENTION cont.

--John F. Andrews (E.S.E.) presented a paper "Instrumentation in Aerobic and Anaerobic Biological Systems," at the American Association of Professors in Sanitary Engineering Workshop. This workshop on biological waste treatment processes was held at the University of Texas on June 28, 1966.

--F. C. Alley (Ch.Eng.) has been appointed a member of the Technical Advisory Committee on Air Pollution of the South Carolina Pollution Control Authority.

--Sang O. Park, (I.M.), has been appointed as a consultant to Office of Business Economics, U. S. Department of Commerce during the coming year. Dr. Park served as a consulting economist with the above office during the past summer.

--J. L. Richardson (I.M. & T.S.) conducted a seminar on "Work Simplification and Time Study" at Auburn University, Auburn, Alabama during July, 1966.

--W. M. Dowler (USDA-Bot) was chairman of a discussion session on "Relation of climate, ecology, and cultural practices to bacterial diseases" held during the annual meeting of the American Phytopathology Society at Denver, Colorado, August 20-24, 1966.

--H. E. Morgan (IE) has been appointed a consultant in Industrial Arts for the U. S. Office of Education for the year 1966-67.

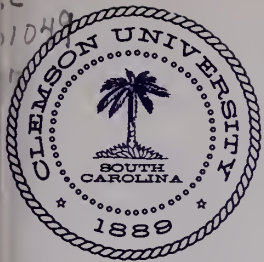
--J. T. Long (EE) participated in the ASEE/NASA Summer Faculty Fellowship Program at Ames Research Center and Stanford University for ten weeks this past summer.

--T. C. Peele (Agron) was elected to the rank of Fellow of the American Society of Agronomy. The Annual Recognition Banquet was held in the Student Union Ballroom, Oklahoma State University, Stillwater, Oklahoma, August 24, 1966. Fellows are selected for professional achievements and meritorious service to the Society.

--James R. Woodruff (Agron) presented a paper at the 1966 Annual Meetings of the American Society of Agronomy in Stillwater, August 21-26, entitled "Minimizing Phosphate Sorption of Cecil Soil" authored by K. S. LaFleur and G. R. Craddock.

--A. L. Shewfelt (FdSc & Biochem), was senior author of a paper read before the Second International Congress of Food Science and Technology, Warsaw, Poland, August 22-27. The paper was entitled "Effects of Gamma Radiation on the Pectic Constituents and Pectinesterase Activity of Peaches" by A. L. Shewfelt, E. M. Ahmed, and R. A. Dennison. It resulted from a recent cooperative study between Clemson University and the University of Florida.

--E. W. King (Ento) attended the triennial meeting of the International Congress of Bioclimatology at Rutgers University Aug. 26-Sept. 2. During the meeting he served as Secretary for the Working Group on Entomological Bioclimatology, presented one paper on his own research, chaired on session of the Working Group, and at the conclusion of the meeting was elected to membership on the Standing Committee for Entomological Biometeorology.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 4

October 1, 1966

CALENDAR: OCTOBER 1-15

OCT 21 1966

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|------------|-------|---|
| Oct. 1 | Sat. | Football--Georgia Tech in Atlanta, 2 p.m. |
| Oct. 3 | M | Mr. H. S. Lawrence, General Manager of Liberty Mill, Division Mohasco Industries, Inc. will be the speaker in Sirrine Auditorium at 11 a.m. at the IM Seminar. His topic will be "The Trends in Carpet Manufacturing." |
| Oct. 3 | M | American Classical Theater "The Tempest", Tillman Hall Auditorium, 8 p.m. |
| Oct. 3 | M | Mr. Fred L. McNatt, Allied Chemical Corp. will speak at 11 a.m. in Room A 203 of the P & AS Bldg. His subject will be "Liquid Ammonium Polyphosphate Use as Fertilizer." |
| Oct. 4 | T | Meeting of Clemson Alumni Association in the Plant and Animal Science Auditorium at 7:30 p.m. |
| Oct. 4 | T | The Sage Club will meet at the Clemson House at 6:30 p.m. for a dinner meeting. Dr. Averett S. Tombes, Department of Entomology and Zoology, will speak on <u>Some Observations on Czechoslovakia</u> . |
| Oct. 5-8 | W-Sat | Clemson Players--"Ah Wilderness" |
| Oct. 6 | Th | Woman's Club Reception for the Newcomers, Clemson House, 3:30 p.m. |
| Oct. 7 | F | Freshman Football--Wake Forest at Clemson. |
| Oct. 8 | Sat | Football--Alabama at Tuscaloosa, 2 p.m. |
| Oct. 10-11 | M-T | Institute on Campus Ethics & Religion--Clemson House and YMCA. |
| Oct. 12 | W | Two lectures on Clinical Nutrition will be presented sponsored by the American Medical Association--one at 4:15 p.m. and the other at 7:30 p.m. Dr. R. H. Kampmeier, Department of Biochemistry, School of Medicine, Vanderbilt University will be the guest speaker. This lecture is sponsored by Clemson Chapter of Sigma Xi in the Civil Engineering Auditorium. |
| Oct. 14 | F | Dedication of new Robert Muldrow Cooper Library at the Main Entrance at 4:30 p.m. Mr. Gordon Gourlay is chairman of the Dedication Committee. |
| Oct. 14 | F | Alumni National Council Meeting, Purple Room, Clemson House, 9:30 a.m. |
| Oct. 14 | F | Luncheon - Alumni National Councilmen, Foundation Trustees, University Administration and wives. Gold Room, Clemson House, 12:30 p.m. |

CALENDAR, continued

Oct. 14	F	Clemson Foundation Trustees, Purple Room, Clemson House, 2:30 p.m.
Oct. 14-15	F-Sat	Homecoming Dances in the Dining Hall.
Oct. 14	F	Tigerama in Memorial Stadium at 7:00 p.m.
Oct. 15	S	Open House--Dormitories.
Oct. 15	S	Football--Duke at Clemson (Homecoming), 1:15 p.m.
Oct. 18	T	Professor Yale Brozen, Graduate School of Business, Univ. of Chicago will present two lectures. "The Unemployment Problem" will be presented at 3 p.m. in Room 1, Physics Bldg. "In Defense of Free Markets" will be presented at 7:30 p.m. in the Chemistry Auditorium.

NOTE TO CAMPUS CLUBS AND ORGANIZATIONS

Please send individual meeting dates, places, and speakers for group meetings to Mrs. Miles, Dean of the University Office, Tillman Hall by the 8th and 23rd of each month.

LOCAL ALUMNI TO ORGANIZE

There is an apparent need for the formation of a Clemson Chapter of Clemson Alumni. It is believed that a strong local chapter can foster the aims of the national organization.

A meeting has been set for 7:30 p.m. October 4th in the Plant and Animal Science auditorium. Mr. Ernest Rogers has consented to act as temporary chairman.

EDGAR C. CLAYTON RESIGNS

Edgar C. Clayton, director of planning and sponsored research in the Office of Development, tendered his resignation for reasons of health and has returned to his former home at Ocala, Fla.

JAMES F. COUCH TO SERVE AS ASSISTANT TELEVISION EDITOR

Mr. Couch is a native of Clemson, S. C. and will serve as a temporary replacement for Leon C. Smith while he is on leave. He is a graduate of Bob Jones University majoring in Cinema. During several summers he has worked with Lockheed-Georgia Co. as a supervisory trainee in the Motion Picture Dept.

BIGGER, BETTER TIGERAMA ON DECK

Fresh from its outstanding production of a year ago, the all-student variety show TIGERAMA is now in preparation for its 1966 showing at Memorial Stadium Friday evening, October 14. Those who saw last year's show enthusiastically agreed that TIGERAMA became of age with the '65 production and there are predictions that this year's Homecoming extravaganza will be still more colorful. The occasion will serve as a giant pep rally for Clemson's football date with Duke next day. A TIGERAMA audience approaching 15,000 is anticipated.

THE CLEMSON CHORALE SOCIETY ORGANIZED

The Clemson Chorale Society was organized in the fall of 1966 for the purpose of providing more cultural choral programs for Clemson University and the surrounding community. This group is composed of the following people.

Director: Joseph Jackson
Pianist: Dr. Hugh McGarity

Sopranos: Ann McGill, Barbara Georgian, Doris Hill, Betty Hubbard, Peggy Kauffmann, Melinda Stout.

Altos: Barbara Fox, Betty Jackson, Betty Janzen, Grace Laitala, Charlotte Palmer, Jane Tombes.

Tenors: Barnes Bishop, Dave Crawford, Dick Hale, Robert Hill, Robert Luckabaugh, Ken Sartain.

Basses: Leonard Brank, Don Haney, William Hare, Andy Kauffmann, Merrill Palmer, Ron Whitlock

PROGRAMS FOR THE YEAR 1966-67 include:

THE GLORIA by Antonio Vivaldi, December 5, 8:15 p.m. - Tillman Hall

MASS IN G by Franz Schubert, March 30, 8:15 p.m. - Tillman Hall

Practice Schedule

Place: Education Bldg. Room 123.

Time: 4:00-5:00 p.m.

1. September 25
2. October 30
3. November 21
4. December 4

FOREIGN LANGUAGE FILM SERIES
First Semester, 1966-67

All films will be shown in the Civil Engineering Auditorium on Mondays at 7 and 9 p.m. (except as indicated). All films have sound tracks in the language noted, with English sub-titles. There is no admission charge. The following dates are firm, but some of the titles are listed as tentative, pending confirmation from the booking agencies.

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|----------------------------|--|
| September 26 | Bien venido, Mr. Marshall! (Spanish) 86 min. 1953
(Welcome, Mr. Marshall)
Prize for Best Comedy, Best Script, and International Critics' Prize, Cannes Film Festival |
| October 17 | Gates of Paris (French) 96 min. 1957
(Porte des Lilas),
Grand Prix du Cinéma Français |
| October 24 | Roses for the Prosecutor (German 91 min. 1960
(Rosen für den Staatsanwalt)
Best Picture and Best Actor Award, Berlin and Larlsbad Film Festivals; Best Screenplay Award, Berlin Film Festival |
| October 31 | Red Rain (Tentative) (Spanish) 98 min.
(Lluvia Roja)
From the Mexico City Fiction Prize novel by Jesús Goytortua Santos |
| November 7 | Beauty and the Devil (Tentative) (French) 95 min. 1949
(La beauté du diable)
One of Five Best Foreign Films of the Year, National Board of Review, 1952. |
| November 21 | Papa, Mama, The Maid and I (Tentative) (French) 94 min.
1954 (Papa, Mama, la Bonne et Moi) |
| November 28 | Maria Candelaria (Tentative) (Spanish) 102 min.
Cannes Film Festival Award for Photography |
| December 5
(7 and 9:15) | The Devil's General (German) 119 min. 1955
(Des Teufels General)
Best Actor of Year (Curt Jürgens), Venice International Film Festival
David O. Selznick Golden Laurel Medal, Edinburgh Film Festival |

PROFESSORS DISCUSS GRADING SYSTEM

A panel of ten Clemson University professors discuss the merits and demerits of the "A-B-C" grading system in the October issue of The Clemson Alumni News. Each of the ten presented his views in writing without knowledge of who the fellow panelists were. After all returns were published, one of the professors expressed surprise that all ten had basically compatible views about the "A-B-C" system. Said he: "I didn't know you could get ten randomly picked professors to agree on anything."

ALUMNI BOARDS MEET HOMECOMING WEEKEND

Members of the Clemson Alumni Association National Council and trustees of the Clemson University Foundation will be at Clemson for their annual fall meetings Friday, October 14. The National Council, Alumni President Henry Coleman '26 of Daytona Beach presiding, will meet 9:30 a.m. at Clemson House. Following a joint luncheon for the two groups and their wives at 12:30 p.m., the Clemson Foundation will convene at 2:30 p.m. Foundation President Pat Calhoun '32 of Charlotte will preside. President Coleman will crown Clemson's Homecoming Queen at halftime of the Clemson-Duke football game Saturday afternoon, October 15.

MINUTES OF THE RESEARCH FACULTY COUNCIL MEETING September 13, 1966

The Council meeting for September was called to order at 4:25 p.m., 101 Physics Building, September 13, 1966, by Chairman Schwartz.

A lengthy discussion ensued concerning a statement of policy on transfer of a Research Faculty member from one administrative unit to another.

The Council recommended that Chairman Schwartz confer with Dean Hunter and Dean Hurst about eligibility of Faculty in Arts and Sciences who might qualify for membership in the Research Faculty.

Mrs. M. Bishop was asked to work with the Ad Hoc Committee on Organization (consisting of Cecil Godley, Chairman and J. J. Porter) to explore possible changes in the organizational structure of the Constitution and By-Laws of the Research Faculty.

G. R. Craddock moved that the following two monthly meetings of the Research Council be rescheduled for October 11, and November 8, rather than the third Tuesday of these months in order to avoid conflicts in meeting times with the Faculty Senate. The motion was passed.

The meeting adjourned at 5:50 p.m.

Respectively submitted,

G. R. Craddock, Secretary

Absent:

W. V. Chalupa
R. C. Fox
J. V. Walters

SAGE CLUB MEETING SCHEDULE

The Sage Club will meet at the Clemson House at 6:30 p.m. for a dinner meeting on the following dates:

October 4, 1966

November 1, 1966

December 6, 1966

January 10, 1967

February 7, 1967

March 7, 1967

April 4, 1967

May 2, 1967

Dr. Averett S. Tombes, Department of Entomology and Zoology, will speak on Some Observations on Czechoslovakia at the meeting on October 4.

AMERICAN INSTITUTE OF AERONAUTICAL AND ASTRONAUTICS

Dr. Tah-teh Yang, associate professor of mechanical engineering, has been appointed membership representative for American Institute of Aeronautical and Astronautics in the state of South Carolina. Interested persons are urged to contact Dr. Yang.

SAMPLE SHOWS 84 PERCENT PASSED SELECTIVE SERVICE'S FIRST QUALIFICATION TEST (from Higher Education and National Affairs)

A ten percent sample of the first Selective Service College Qualification Test conducted last spring, shows that 84 percent made a passing score of 70 or better, according to Lt. Gen. Lewis B. Hershey, Selective Service director. In the passing group, he said, 26 percent scored between 70 and 74, 39 percent between 75 and 79, and 19 percent between 80 and 99. A total of 35,270 men took the first test on May 14, 1966.

General Hershey said that Science Research Associates had prepared four forms of the SSCQT, set up approximately 1,200 testing centers in the U. S. and territories, processed nearly one million registration cards from applicants for the four examinations, supervised administration of the tests on four different dates, and then reported the individual scores to each registrant's local board.

College freshmen were the largest group to take the first test, he said. "It was also interesting to note that as the level of education progressed, the number who chose to take the SSCQT decreased correspondingly," he said.

NEXT SELECTIVE SERVICE TESTS ARE SCHEDULED FOR NOV. 18 AND 19

The next Selective Service Qualification Tests, similar to the four tests given in May and June, will be administered on Friday and Saturday, Nov. 18 and 19, Selective Service headquarters has announced. The tests will be given in all 50 states, Guam, Puerto Rico, Virgin Islands, Canal Zone, and the District of Columbia.

The three-hour test, consisting of 150 multiple choice items, "presupposes no formal education beyond the ordinary high school preparation for college," headquarters said. Eligibility will be limited to those registrants who make voluntary application and who have not taken any of the previous tests. The test will be prepared and graded by the Educational Testing Service. Scores will be forwarded directly to the examinee's local board.

"Test results are of an advisory nature only and are intended to supplement other information in the registrant's file to assist the local board in determining the eligibility of a registrant for occupational deferment as a student," a headquarters spokesman said.

ENGINEERING GRADUATE RESEARCH BUILDING TO BE FUNDED BY PUBLIC HEALTH SERVICE GRANT OF \$665,000

Upon recommendation of the National Advisory Council on Health Research Facilities, the Surgeon General has approved the Clemson University application for a Public Health Service grant in the amount of \$665,000 for an Engineering Graduate Research Building.

This grant-in-aid award is for constructing and equipping a five-story and penthouse Engineering Graduate Research Building to be located off Fort Rutledge Road and South Palmetto Boulevard on the campus of Clemson University. This will provide facilities to house health-related research in environmental engineering, bio-engineering, electrical engineering, materials engineering, mechanical engineering and engineering mechanics.

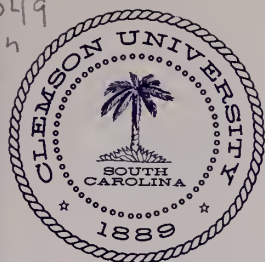
PERSONAL MENTION

--H. J. Keegan (IM-TS) served as lecturer for a course on "Fundamental Radiometry for Experimental Scientists" conducted by the Eppley Laboratory, Newport, Rhode Island, August 22-27.

--H. J. Keegan (IM-TS) presented a paper "How to Solve Color Problems in the Space Age" at the A.A.T.C.C. meeting in Greenville on September 10.

--E. S. Olson (IM-TS) will be moderator of the A.A.T.C.C. National Convention panel discussion "Color Instrumentation In the Textile Industry," October 1.

--C. O. Shuler's (IM-TS) dissertation has been published by the Duke Endowment. The title of the dissertation is "The Fair Labor Standards Act and Non-Federal Non-Profit Hospitals in South Carolina--A Study of Cost Impact." Distribution to governmental agencies and hospitals throughout North and South Carolina and the Southeast in general is planned.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 5

October 15, 1966

CALENDAR: OCTOBER 15-31

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

OCT 21 1966

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|---------|----|---|
| Oct. 15 | S | Open House--Dormitories. |
| Oct. 15 | S | Football--Duke at Clemson (Homecoming), 1:15 p.m. |
| Oct. 17 | M | Foreign Language Film--"Gates of Paris" (French) 96 min. 1957 (Porte des Lilas), Grand Prix du Cinéma Français. |
| Oct. 17 | M | Mr. E. R. Roper, Vice President of Blackman Uhler Chemical Company will lecture in Sirrine Hall Auditorium at 11 a.m. His subject will be, "Azoic Dyes and Resin Bonded Pigments Used on Durable Press Fabrics." |
| Oct. 18 | T | Fellowship Club will meet at the Clemson House at 6:30 p.m. |
| Oct. 18 | T | Professor Yale Brozen, Graduate School of Business, Univ. of Chicago will present two lectures. "The Unemployment Problem" will be presented at 3 p.m. in Room 1, Physics Bldg. "In Defense of Free Markets" will be presented at 7:30 p.m. in the Chemistry Auditorium. |
| Oct. 18 | T | Chemical Engineers' Wives will meet at 8:00 p.m. at the home of Mrs. R. C. Harshman, 125 Holly Avenue. |
| Oct. 18 | T | Faculty Senate will meet at 4:15 p.m. in Olin Hall Auditorium. |
| Oct. 19 | W | Laicos, 8:15 p.m., Clemson House. |
| Oct. 19 | W | Concert--Don Shirley Trio, 8 p.m. Field House. |
| Oct. 20 | Th | Mr. James D. Finley, Chairman of the Board, J. P. Stevens Co., New York, will lecture in Sirrine Auditorium at 2 p.m. in the Industrial Management Seminar Series. |
| Oct. 21 | F | Freshman Football--USC at Columbia. |
| Oct. 21 | F | Dr. T. Frank Schairer, National Sigma Xi Lecturer, Carnegie Institute of Washington, Washington, D. C. will present a lecture at 7:30 p.m. in the Civil Engineering Auditorium sponsored by Sigma Xi. His subject will be: "Chemistry of the Earth's Crust." If you have colleagues on other campuses who might like to attend please feel free to extend them an invitation. |
| Oct. 22 | S | Football--Southern Cal. at Los Angeles, 1:30 p.m. |
| Oct. 24 | M | Foreign Language Film--Roses for the Prosecutor (German) 91 min. 1960. (Rosen für den Staatsanwalt). Best Picture and Best actor Award, Berlin and Karlsbad Film Festivals; Best Screenplay Award, Berlin Film Festival. |

CALENDAR, Continued

Oct. 24	M	Forum Club, 7 p.m., Chemistry Bldg. Conference Room.
Oct. 27	Th	Graduate Wives, 8 p.m. YMCA Club Room.
Oct. 28	F	Freshman Football--Duke at Clemson.
Oct. 29	S	Football--Wake Forest at Winston-Salem, 2 p.m.
Oct. 29	S	Graduate Record Examination.
Oct. 31	M	Dr. Hassen El-Behery, Visiting Lecturer, University of Alexandria Egypt will present a lecture at the Textile Seminar at 11 a.m., Sirrine Hall. His subject will be "Woolen and Worsteds."
Oct. 31	M	Foreign Language Film--Red Rain (Spanish) 98 min. (Lluvia Roja). From the Mexico City Fiction Prize novel by Jesús Goytortúa Santos.
Nov. 1	T	Sage Club, 6:30 p.m. Clemson House.

NOTE TO CAMPUS CLUBS AND ORGANIZATIONS

Please send individual meeting dates, places, and speakers for group meetings to Mrs. Miles, Dean of the University Office, Tillman Hall by the 8th and 23rd of each month.

READING LABORATORY PLANS STUDY-TYPE READING COURSE FOR UNIVERSITY STUDENTS

The Reading Laboratory of Clemson University is beginning a course in study-type reading for University students. The content of the course is based on research showing that college students need to be efficient in the following skills:

- (1) Adjusting rate of reading to particular materials;
- (2) Reading accurately, distinguishing between personal biases and what the author said;
- (3) Completing assignments in a reasonable amount of time;
- (4) Building a large, efficient, precise vocabulary;
- (5) Reading critically, perceiving contradictions and inconsistencies;
- (6) Seeing relationships, organizing ideas while reading.

Selection of students for the course was made through the Counseling Office.

FULBRIGHT AWARDS FOR TEACHING OVERSEAS

Information regarding Fulbright Awards for teaching overseas is available in the Graduate Office, Tillman Hall.

MINUTES OF THE FACULTY SENATE

September 20, 1966

The Faculty Senate met on September 20, 1966, at 4:15 p.m. in the auditorium of Olin Hall with President J. T. Long presiding.

Dr. Long made the following announcements:

(1) The Educational Council has approved changes in the by-laws of the Faculty Senate as approved by the Senate in November and the Academic Faculty in December.

(2) Dedication of the new library will be held on October 14 with Dr. James O. Wynn as the speaker. The ad hoc committee in charge of planning the dedication consists of J. W. G. Gourlay, W. W. Bryan, J. T. Long, A. E. Schwartz, J. N. Thurston, H. N. Cooledge, Jr., and H. H. Macaulay, Jr.

(3) Two proposals presented by the Senate last spring are now before the Educational Council. One concerns the establishment of a minimum grade-point requirement that a student must attain in his major course. The other recommends an addition to the tenure policy to cover transfers from one department to another and from one campus to another. The Research Faculty Council has proposed an amendment to the Faculty Senate proposal. The recommendations will be considered at the next meeting of the Educational Council.

(4) The amendment to the Senate by-laws which was passed in June has been approved by the Educational Council.

(5) A sub-committee of the Athletic Council is studying the prices to be charged for faculty tickets to athletic events.

(6) Dr. Long will represent the University at the inauguration of Dr. Grover E. Murray when he becomes president of Texas Tech on November 1.

Professor Eugene Park, Senate representative on the Honors and Awards Committee, reported that the committee is now receiving nominations for Who's Who in American Colleges and Universities and would welcome nominations from member of the Senate.

A recommendation from Dr. J. A. Chisman concerning the establishment of a secretarial pool on campus was referred to the Policy Committee.

Dr. Long reported that the conflict between meeting dates of the Senate and the Research Faculty Council has been resolved by the Research Council's changing its meeting dates.

Dr. T. L. Senn reported that the committee in charge of recommending names for buildings and streets on campus has completed its report, which will be presented to the Board of Trustees.

The meeting was adjourned at 4:40 p.m.

Absent: M. A. Boone W. C. Bowen
 E. B. Eskew A. F. Newton
 B. R. Skelton J. J. Porter
 A. T. Hind J. L. Richardson
 H. G. Spencer

Respectfully submitted,

Louis Henry
Secretary

RESEARCH, PUBLICATION STILL WEIGH HEAVILY
IN EVALUATING TEACHING, ACE STUDY FINDS

(from Higher Education & National Affairs)

Scholarly research and publication are still the primary considerations in evaluating a professor's teaching ability. This conclusion was reached by two staff members of the American Council on Education on the basis of data obtained from deans at 1,110 colleges and universities. The findings of Dr. Alexander W. Astin, director of the Council's Office of Research, and Dr. Calvin B. T. Lee, staff associate, are reported in the current Annual Meeting issue of the Council publication, The Educational Record.

The two researchers found that the most frequently used of 15 sources of information about the effectiveness of a college teacher were evaluations by the dean and the department chairman. Next in order, although used less frequently, were the opinions of colleagues, the teacher's scholarly research and publications, and the informal opinions of students.

"These various sources of information are not independent, however," Astin and Lee write. "Since classroom visits are used very infrequently--are indeed taboo at 39.5 percent of the institutions, apparently--it follows that, even though the dean, department chairman and professional colleagues have the final say about a professor's teaching ability, their evaluations must be based on the opinions of others. Thus, these final judgments must depend on hearsay evidence: informal student opinions. Of the institutions polled, only 9.6 percent said that informal student opinions were not used, whereas 47.6 percent indicated that they did not use systematic student ratings.

"It is clear that the professor's scholarly research and publication--not information based on classroom visits, systematic student ratings, student performance on examinations, and similar sources--are currently the primary considerations in evaluating his teaching ability. Although teaching effectiveness is talked about as though it were assessed independent of other factors, the heavy reliance on scholarly productivity as an indication of teaching ability greatly confuses the distinction between teaching and research and exaggerates the importance of research and publication."

Stating that publications cannot provide trustworthy clues about teaching ability, the two authors emphasize that if the ultimate measure of a teacher's effectiveness is his impact on the student "it is unfortunate that those sources of information most likely to yield information about this influence are least likely to be used. Carefully planned systematic student questionnaires offer an insight on the impact on the learner. Grade distributions can be significant in multi-section courses with departmental examinations, if the instructor is made aware of the specific educational objectives of the course and if student performance is matched with indices of ability."

Other finds by Astin and Lee were these:

Junior colleges rely more, than do other types of undergraduate institutions, on classroom visits, grade distributions, and long-term follow-up of students, with faculty research the last in the list of evaluating criteria.

While only 36.6 percent of the liberal arts colleges report that all or most departments use research and publication as an indicator of teaching

effectiveness, 70 percent of the arts and sciences colleges regularly utilize such data. In the liberal arts colleges, informal student opinion is used to evaluate classroom teaching more frequently than research and publication, but university colleges of arts and sciences use informal student opinion only half as frequently as research and publication.

Liberal arts colleges draw on grade distributions, classroom visits, student examination performance, course syllabi and examinations, and alumni opinions two to five times more frequently than do arts and sciences colleges.

Information from informal student opinions, self-evaluation, and committee evaluation is relied on more heavily at the university schools of education than at the teachers colleges, but data on grade distributions, classroom visits, student examination performance, and course syllabi and examinations are used more at the teachers colleges.

The larger the institution, the greater the reliance placed on the judgment of departmental chairmen and of committees in assessing teaching effectiveness.

Supervision of new college teachers by a designated member of the faculty is a method used only by 10.6 percent of the arts and sciences colleges, as compared to 25.9 percent of the liberal arts colleges. Within university colleges, schools of engineering and business use this method twice as much as do arts and sciences colleges.

"It is obvious that institutions suffer from an inability to evaluate classroom effectiveness," the authors conclude. "Undergraduate teaching will continue to be neglected until those who evaluate, recognize, and reward the faculty find methods of accurately assessing teaching effectiveness. Only then will the high importance assigned to undergraduate teaching be more than a matter of lip service."

ABUSE OF COLLEGE DEFERMENT
(from HIGHER EDUCATION & NATIONAL AFFAIRS)

Writing in the September issue of Selective Service, Draft Director Lewis B. Hershey observes that "there will remain a need for college deferment," but warns that abuse of the deferment to avoid military service "will surely bring about the elimination of deferments." His comments are contained in an article about men in the 26 to 35 age group.

With the college deferment, General Hershey writes, "must go every possible control so that the student never forgets that he is deferred to make his services to his country invaluable, whether in the Armed Forces or in support of the Armed Forces. Any thought by the registrant that a college deferment is a means of avoiding service or an introduction to avoiding service cannot be tolerated. To do so will surely bring about the elimination of deferments for this reason. The graduate school stands particularly in danger if it encouraged, by hopes of even larger numbers of students, its use by registrants as a bridge to an age bracket where liability has expired or where liable registrants are in low category and not required to serve."

General Hershey said that many years of low draft calls caused the Selective Service to search for means to defer registrants. Registrants who had not served upon reaching the age of 26 were placed in a low category just above the category of the 18-1/2-to-19 age group.

ABUSE OF COLLEGE DEFERMENT, Continued

"The situation which caused these actions has changed," he writes. "The calls are many times greater and the 1-A men above 26 who have been deferred to complete long periods of education are needed. Deferment can be given to any registrant who is engaged in essential activities and who is performing functions necessary to the operation and who cannot be replaced or only with loss in effectiveness. The registrants not so engaged should be submitted to the Armed Forces for induction or rejection. These actions would make available some manpower to the Armed Forces. It would channel into essential industries liable registrants above 26. In addition, it would serve notice on students that enrollment in graduate school was no bridge to an age area in which there were no inductions."

He listed three methods by which over 26 1-A registrants might be inducted:

First, the category 5, over 26, will be reached if the categories 3 and 4 become exhausted.

Second, an Executive Order, if issued, could combine categories 4 and 5 with category 3. "There are several methods of doing this," he said. "They could be combined and calls levied on oldest first. This would probably result in one or more calls being composed largely of registrants above 26. The Executive Order could provide that the youngest above 26 would be taken first. If the calls were at the level of the last few months, this method would result in two calls filled largely by older men."

A third method would be an Executive Order permitting calls by age groups. Under this method the Department of Defense could restrict the number of older registrants taken in any month by calling for the acceptable number from the above 26 group or an age desired in that group. The remainder of the call could be placed on age groups presently called on.

"What measures that will be taken are in the future," General Hershey said, "but if the calls continue at the average of fiscal year 1966, or somewhat increased, then all 1-A's who remain liable should be inducted....Induction of 1-A's above 26 is a substantial step in the right direction."

Meanwhile, acting on Secretary of Defense Robert S. McNamara's announced plans to take 40,000 mentally or physiologically substandard men by next June 30 and 100,000 a year thereafter as part of the war on poverty (see Bulletin, Vol. XV, No. 28), the Defense Department said Sept. 20 it would lower mental standards slightly Oct. 1 to take in an additional 20,000 men annually. Further steps will be taken in early 1967 to qualify another 20,000 who otherwise would be classified 1-Y "qualified only in an emergency." There currently are 2.3 million men in this category. Current plans call for the new standards to apply only to future examinations and not to reexaminations of those already in 1-Y.

MR. B. L. DILLMAN JOINS AGRICULTURAL ECONOMICS STAFF

Mr. Buddy L. Dillman of Morgantown, West Virginia, has joined the staff in Agricultural Economics and Rural Sociology as an Assistant Professor. He has the BS and MS degree from the University of Arkansas, and is a doctoral candidate at North Carolina State University. He is married and has two children.

TWO EDITORS JOIN DEVELOPMENT STAFF

John Charles (John) Mann and John L. Allen have joined the Office of Public and Alumni Relations. Mr. Mann fills the position of Alumni Editor and Publications Editor, replacing Mr. Paul Sullivan, and Mr. Allen will serve as News Bureau Editor, replacing Mr. Fred Mohrmann.

John Mann graduated from Ohio State University in 1942 and entered the Army directly from the Ohio State ROTC program. He was discharged from the Army in 1946 and was advertising production manager for an Indianapolis department store for two years. He then became affiliated with the Miami Herald for two years before being recalled to active duty with the Army in 1950. He was associate editor for the Army Information Digest and was an instructor of applied journalism at the Army Information School, and immediately prior to coming to Clemson has been managing editor of a command-wide Army newspaper that was judged the best Army newspaper of the past two years. Major Mann retired from the Army at Ent AFB, Colorado Springs, Oct. 1. He and Mrs. Mann (Ruth) have two sons (Bill, a student at Colorado State, and Bruce, a student at Cornell University) and a daughter (two-year old Bonnie Jean). The Manns live at 200 Wrenn Street in the Dellwood Subdivision.

John Allen, a Wofford College graduate, was a news reporter at the Spartanburg Herald for three and a half years before coming to Clemson. While attending Wofford, he was an announcer for radio stations WORD and WTHE in Spartanburg. Mr. and Mrs. Allen (Linda) have one daughter (two-year-old Laurie). They live at Apartment G-4, Robin Hill Apartments, Kelly Road.

ACTIONS FROM GRADUATE COUNCIL

Among the actions taken by the Graduate Council at its meeting on Sept. 30 were:

1. Approval of masters programs in Textile Science and Education.
2. Approval of new paper specifications for theses and dissertations. In the future, a twenty pound, fifty per cent rag content paper is to be used.
3. Approval of a request by the College of Engineering to change the wording on doctoral diplomas so as to omit departmental designations.
4. Approval of a number of new graduate courses for submission to the Curriculum Committee.
5. Approval of a non-thesis MS option for the College of Engineering.

ANALYSIS OF DRAFT TEST
SCORES SHOWS 81 PERCENT
HAD SCORES OF 70 OR BETTER

(from Higher Education and National Affairs)

Eighty-one percent of those who took the Selective Service College Qualification Tests (SSCQT) in May and June scored 70 or better, Selective Service headquarters has disclosed. A ten percent sample earlier had shown that 84 percent had made a passing grade. A total of 767,935 men took the tests.

Selective Service said about 22 percent scored 80 or higher, nearly 34 percent scored from 75 to 79, and 25 percent scored from 70 to 74. Following, by geographic area, are the percentages of those scoring 70 or higher:

<u>Area</u>	<u>Percentage</u>
New England (Conn., Mass., Me., N.H., R.I., Vt.)	93
Middle Atlantic (N.J., N.Y., Pa.)	91
East North Central (Ill., Ind., Mich., Ohio, Wis.)	88
Pacific (Calif., Ore., Wash.)	87
West North Central (Ia., Kan., Minn., Mo., N.D., Neb., S.D.)	84
South Atlantic (D.C., Del., Fla., Ga., Md., N. C., S.C., Va., W.Va.)	78
Mountain (Ariz., Col., Ida., Mont., Nev., N.M., Utah, Wyo.)	78
Non-Contiguous (Alaska, C.Z., Guam, Hawaii, P.R., V.I.)	72
West South Central (Ark., La., Okla., Tex.)	68
East South Central (Ala., Ky., Miss., Tenn.)	53

GIFTS AND GRANTS

--American Cyanamid Co., \$2,000 to Entomology and Zoology for insecticide research.

--Porter Brothers, Shelby, N. C., one Jacobsen Turf Commander tractor to Horticulture.

--Crystal Ice Co. of Columbia, S. C., \$3,100 to Horticulture for peach processing studies.

--National Association of Animal Breeders, \$500 to Dairy Science for studies on "Estrus Synchronization in Dairy Cattle With Regard to Subsequent Fertility and Milk Hormone levels."

--From Calument Division of Calument and Hecla, Inc., \$500 to Botany and Bacteriology, for foliar fungicides of cucumbers research.

PERSONAL MENTION

--L. G. Rich (Engr.) participated in site visits at Kansas State University, Syracuse University, and Marquette University for NIH and the Department of the Interior.

--F. C. Alley, (Chem. Engr.) has recently obtained approval for a research contract with the West Virginia Pulp and Paper Company. The title of his research will be, "Utilization of Activated Carbon for Removal and/or Recovery of Sulfur Compounds from Plant Stack Uses."

--W. C. Whitten, Jr. (Econ) has published "Engineering Economy" in the Phi Psy Quarterly (Fall, 1966).

--W. C. Capel (Soc) read "Curriculum Organization for Studies in Social Gerontology" at the meeting of the American Public Welfare Association in Charleston, September 30.

--S. F. Hulbert (Cer Engr) presented a talk on "Extraction of Alumina From Clay" at the American Ceramic Society Conference. Bedford Springs, Pennsylvania, Sept. 30.

--J. E. Halpin (Bot-Bact) served as a panelist for the National Science Foundation in Washington (Sept. 19-21). The members of the panels present reviewed proposals submitted to NSF for possible Secondary Science Training Programs for 1967.

--The first meeting of the South Carolina Livestock Committee was held in Columbia on August 5, 1966. Dr. W. T. O'Dell, Associate Director of Extension Service is Chairman and Dr. R. F. Wheeler, Head of the Department of Animal Science is Secretary. Other members of the Clemson staff on the committee are: Dr. W. H. Wiley, Dr. O. B. Garrison, Mr. G. B. Nutt, Dr. W. J. Lanham, and Mr. L. F. Cato.

--The Clemson University Council on Water Quality met September 29th for election of officers. A. R. Abernathy (ESE), R. Prins (Zoo.) and H. H. Macaulay (Econ) were elected Chairman, Vice-Chairman, and Secretary respectively. Persons interested in water quality or water pollution control are urged to contact the above and join in the activities of the Council. Future meetings will be announced in the Newsletter.

--Myrton A. Packer, Elementary & Secondary Education, attended two faculty seminars on Gerontology at the University of Georgia on September 16 and 17, and was appointed to the Curriculum Committee planning undergraduate and graduate courses in Gerontology. The seminars are held under a grant from the Department of Health, Education and Welfare.

--L. Lawson Byrd (Edu) has been awarded an Advanced Superintendent and Advanced Principal Certificate by the North Carolina State Board of Education. The award was based on Dr. Byrd's administrative and supervisory experience as well as professional preparation.

LOCAL AREA ALUMNI MEET

There will be an important meeting of Clemson-Central-Pendleton area Clemson Alumni on Wednesday evening, October 26 in the Civil Engineering auditorium at 7:30. The Steering Committee elected at the last meeting will present a constitution and a slate of officers for consideration.

The meeting will be brief, but it is important that you attend.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 6

November 1, 1966

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

CALENDAR: NOVEMBER 1-15

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|---------|----|---|
| Nov. 1 | T | Sage Club, 6:30 p.m. Clemson House. Dr. Landrith will speak. |
| Nov. 2 | W | Clemson University Council on Hydrology will hear Mr. Rolland W. Carter, District Chief of the U. S. Geological Survey, speak on "The Activities of the U. S. G. S. in South Carolina" at 4:00 p.m. in Room 205, Agricultural Engineering Building. |
| Nov. 2 | W | A public meeting of the Clemson Funeral Society will be held in Room 1 of the YMCA at 8:00 p.m. |
| Nov. 2 | W | Laicos Club will meet at the Clemson House at 8:15 p.m. |
| Nov. 2 | W | Newcomers will meet at the Clemson House at 8:00 p.m. |
| Nov. 3 | Th | Woman's Club, 3:30 p.m., Rudolph Lee Gallery, School of Architecture. Pottery Exhibit. |
| Nov. 4 | F | Freshman Football--Ga. Tech in Atlanta (Night game). |
| Nov. 5 | S | Student Dance--Dining Hall. |
| Nov. 7 | M | <u>Beauty and the Devil</u> (French) 95 min. 1949. One of Five Best Foreign Films of the Year, National Board of Review, 1952. This new and scintillating treatment of the Faust legend, filled with fun and satire, was created by famed director-writer René Clair, master of filmic wit. |
| Nov. 9 | W | C. Wayne Jordan, U. S. Borax and Chemical Corp. will speak at 11:00 a.m., Room A 203, P&AS Bldg. His subject will be, "The Technology of Manufacture and the Use of Boron in Agriculture." |
| Nov. 10 | Th | Dr. S. B. Levine, Department of Chemistry, North Carolina State University, will speak on "Ring A Chemistry of 5(10)-Unsaturated Steroids," at 4 p.m. in Room 131, Brackett Hall. |
| Nov. 10 | Th | Graduate Wives will meet at the YMCA Club Room. |
| Nov. 12 | S | Football--Maryland at College Park, 1:30 p.m. |
| Nov. 14 | M | Mr. H. D. Ruhm, Jr., President of Greenwood Mills, Inc., New York Sales, New York, will speak at 11 a.m. in Sirrine Auditorium. His subject will be "Marketing of Textiles." |
| Nov. 14 | M | Forum Club, 7 p.m. Chem. Bldg. Conference Room. |

CALENDAR, Continued

- Nov. 14 M Concert by Richard Tucker, 8 p.m., Field House. Richard Tucker has been the principal tenor of the Metropolitan Opera Company for over twenty years, during which time he has won the accolades of virtually every major music critic. Time Magazine called him "the greatest tenor in the world" in 1965, on the occasion of his 300th appearance at the "Met."
- Nov. 15 T Faculty Senate will meet in the Auditorium of Olin Hall at 4:15 p.m.
- Nov. 15 T Fellowship Club will meet at 6:30 p.m. in the Clemson House.
- Nov. 17 Th Dr. E. C. Ashby, School of Chemistry, Georgia Institute of Technology, will speak on "Composition of Grignard Compounds and Mechanisms of Reaction," at 4 p.m. in Room 131, Brackett Hall.

NOTE: Please send individual meeting dates, places, and sneakers for group meetings to Mrs. Miles, Dean of the University Office, Tillman Hall by the 8th and 23rd of each month.

WATER RESOURCES RESEARCH INSTITUTE'S SCHEDULE FOR NEW PROJECT PROPOSALS

The Directorate of the Water Resources Research Institute of Clemson University has approved a schedule for accepting new project proposals and requests for funds for research to be supported by the institute for the fiscal year 1967-68 as follows:

December 1, 1966--Submission of proposals requesting allotment funds for FY 1967-68

January 1, 1967--Submission of proposals requesting matching grant funds (Sec. 101) for research to be initiated July 1, 1967)

March 15, 1967--Notification of approved allotment projects to be received by the Institute from the Office of Water Resources Research, United States Department of The Interior

May 5, 1967--Notification of approved matching grant proposals to be received by the Institute from the Office of Water Resources Research, United States Department of The Interior

Interested staff are encouraged to submit research proposals for any area of water resources. For further information, contact Dr. A. W. Snell, Head of the Agricultural Engineering Department and Chairman of the Directorate, Water Resources Research Institute, Clemson University, Clemson, South Carolina.

ALUMNI ASSOCIATION BUSINESS MEETING

Members of the Clemson Alumni Association National Council and trustees of the Clemson University Foundation met at Clemson during homecoming, Friday, October 14 at Clemson House.

The following business items of particular interest to Clemson faculty and staff were on the agenda and acted upon as indicated:

The National Council adopted a certificate type award for undergraduates to be presented to each Clemson undergraduate who makes the honors list.

The National Council approved the following criteria for appointment of Alumni Professors: An Alumni Professor will be selected primarily on the basis of his effectiveness as a teacher. He will, at the time of his appointment to Alumni Professor, hold the rank of professor. Based on information obtained from the schools and colleges, the selection of an Alumni Professor will be made by the Academic Deans convened for this purpose. Once a selection has been made by the Academic Deans, this information will be conveyed by the University Dean to the President of the University for his final approval. The President will inform the Professor of his appointment and will also inform the Clemson Alumni Association.

The administration concurred with the National Council's request that the Alumni Association President have a brief part in Commencement ceremonies for the purpose of officially welcoming the seniors into the Alumni Association and pointing out alumni responsibility.

SAGE CLUB TO HAVE DINNER MEETING

The November meeting of the Sage Club will be held at the Clemson House on Tuesday, November 1, at 6:30 p.m. This is a dinner meeting.

J. K. Reed and J. Alex Hash, program committee for the November meeting, have secured Dr. Harold F. Landrith, Dean of the School of Education, to speak on Trends in Secondary Education.

Those who have not done so will have an opportunity to pay their dues at this meeting.

Please purchase your dinner tickets at the cashiers desk at the entrance to the Saber Room. Tickets are \$1.50 each. This year it is necessary that we guarantee the Clemson House one day in advance the number to be present for the meal. You will need to return the lower portion of this notice by Friday, October 28.

We are looking forward to seeing you.

PERCENTAGE GAINS BY DOCTORAL, MASTER'S DEGREES IN 1964-65 OUTPACED BACHELOR'S DEGREES

(from Higher Education and National Affairs)

During the 1964-65 academic year at American colleges and universities, master's degrees showed a greater rate of increase than bachelor's degrees, and doctoral degrees had the greatest percentage increase of all, the U. S. Office of Education reported Oct. 6.

As in previous years, the field of education was the most popular among those earning bachelor's and master's degrees. Among those receiving doctorates, education was second to physical sciences by a small margin.

The annual survey also showed that:

In all, 667,592 degrees were earned by 410,573 men and 257,019 women. The total is 8 percent more than in the 1963-64 academic year.

Bachelor's degrees, totaling 493,000, were up 7 percent from the previous year. Master's degrees totaled 112,200, up 11 percent, and doctorates reached 16,500, a 14 percent increase.

First-professional degrees, granted chiefly in medicine, law, and religion and requiring more than four years of study, went up 10 percent to 46,000.

The 118,500 bachelor's degrees in education accounted for nearly one-fourth of all bachelor's degrees. The 43,700 master's degrees in education represented about two-fifths of the degrees in this category.

The physical sciences led in doctorates, with 2,800. Education was second with 2,700 and engineering third with 2,100.

The number of women winning bachelor's degrees was 213,207, up 8 percent. Women won 35,984 master's degrees and 1,775 doctorates, gains of 12 and 16 percent respectively.

The survey was based on data from 1,496 colleges and universities that granted bachelor's or higher degrees during the 1964-65 year. Copies of the summary report (OE-54010-65) may be purchased for 15 cents each from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

FACULTY BASIC RESEARCH COMMITTEE MAKES AWARDS

The Faculty Basic Research Committee at its meeting on October 7th made awards in the amounts indicated to the following faculty members: To Professor Samuel Wang, \$150.00 for supplies for painting; to Professor Richard P. Morgan, \$947.00 for his research on South Carolina imprints; to Dr. Harriet Holman, \$650.00 for a study of Thomas Nelson Page; to Professor Ireland Regnier, \$250.00 for creative research in the fine arts; to Dr. Duane Bruley, \$925.00 for research in Process Dynamics.

UNUSUAL OPPORTUNITY FOR SENIOR CITIZENS

The Social Security Administration has announced that every individual American citizen aged 72 or over qualifies for a minimum retirement income of \$35.00 per month, effective October 1, 1966. It is recognized that this amount is not adequate for subsistence, at any age, but it is safe to assume that there are a few elderly people in the Clemson University area with monthly incomes of less than \$35.00, and that a small check would be welcomed.

This special benefit is payable to any person who (a) has attained age 72, and can prove it, and (b) is not currently receiving a retirement allowance or pension from a Federal, State or other tax-supported program, of \$35.00 per month. (If a person is receiving a benefit of less than \$35.00, Social Security will pay to each qualified person the difference between his pension and \$35.00 per month. A husband and his dependent wife, if both are 72 or over, will qualify for a total benefit of \$52.50; therefore, if a married man is now receiving a total of \$40.00 per month, his wife may qualify for an additional \$12.50 if she has no income from a "government" source.)

There are no "strings" attached to this provision of \$35.00 per month from government sources (or \$52.50 for husband and wife over 72). No quarters of work under Social Security are required. No question is asked about private property, private income, or assistance from relatives. If anyone who reads this notice knows of a person who may be eligible, please help him (or her) to make an application at any Social Security office. The nearest office is at 114 West Greenville Street, Anderson, S. C.

John B. Gentry, Personnel Director (Ground Floor, Tillman Hall) Extension 365, will provide additional information and assistance if requested.

CLEMSON FUNERAL SOCIETY

Faculty and research personnel are invited to attend a public meeting of the Clemson Funeral Society at the YMCA on Wednesday, November 2, at 8:00 p.m. Organized as a result of a recommendation of the Faculty Senate, the Society seeks to promote simplicity and economy in funeral arrangements. Members are kept informed of local and national funeral costs. A secondary function of the Society is to assist its members in participating in eye, bone, and tissue banks. Although the first of its kind in South Carolina, the Society is part of a nationwide movement to re-evaluate funeral customs and practices.

NEWS ON SOUTH CAROLINA RETIREMENT

Two questions have been asked by several Clemson employees since July 1, and there may be others who need these answers:

(1) How are contributions to State Retirement related to F.I.C.A. taxes withheld for Social Security?

Answer: In past years, these two programs have been closely related, but effective January 1, 1966, the Social Security "breakpoint" changed. To the South Carolina Retirement System, each member continues to contribute 4% of the first \$4800 earned in each calendar year, and 6% of any earnings in excess of \$4800. To Social Security (under the Federal Insurance Contributions Act) each covered employee pays 4.2% of the first \$6600 earned in each calendar year (3.85% to support the Old Age and Disability programs; 0.35% to support the basic hospital program under MEDICARE).

(2) What is the minimum retirement allowance under the South Carolina Retirement System?

Answer: There is no "minimum" allowance under State Retirement, as there is no minimum period of service required to qualify for an allowance upon retirement. Two facts must be remembered:

(a) Any active member who applies for a retirement allowance will be paid an annual allowance at age 65 for each year of creditable service, as follows: 1% of his final average salary up to \$4800, plus 1½% of any amount in his final average salary which exceeds \$4800. Example: An employee with 30 years of service and a final (best five consecutive fiscal years in last ten) average salary of \$6000, would qualify for \$165 per month for life (plus Social Security, or Federal Retirement).

(b) Any Clemson employee, or former Clemson employee, who has completed 20 years of membership in the S. C. Retirement System, is provided a supplementary payment by the General Assembly to guarantee a minimum monthly retirement allowance of \$80 at age 60, plus \$1 per month for each full year of membership in excess of 20 years.

SPECIAL: ANY CLEMSON EMPLOYEE (AGED 60) WHO RETIRED BEFORE JULY 1, 1945, WITH 20 YEARS SERVICE, OR MORE, IS ELIGIBLE FOR \$80 PER MONTH PLUS \$1 PER MONTH FOR EACH FULL YEAR OVER THE FIRST TWENTY, ALTHOUGH HE OR SHE HAS NEVER CONTRIBUTED TO STATE RETIREMENT. IF YOU KNOW OF ANYONE WITH 20 YEARS EMPLOYMENT AT CLEMSON PRIOR TO 1945 WHO IS NOT ALREADY RECEIVING THIS BENEFIT, PLEASE NOTIFY THE PERSONNEL DIRECTOR. (Ext. 365)

DR. STEPP NAMED ALUMNI PROFESSOR

Dr. James M. Stepp (Ag Econ) has been named Alumni Professor of Agricultural Economics effective November 1. Dr. Stepp, a member of the Clemson faculty since 1940, has long been recognized as an outstanding teacher in his field. He has held numerous positions on the Clemson University campus including that of president of the Faculty Senate during 1965-66. Dr. Stepp is married to the former Miss Vivian Pittman of Bishopville, S.C., and has four sons, three of whom are students at Clemson University.

Enrollment by Courses and Student Classification
Clemson University
First Semester 1966-1967

Major Course	Freshman (Semester)		Sophomore (Semester)		Junior (Semester)		Senior (Semester)		Total	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd		
Agriculture	4	0	0	0	0	0	0	0	4	
Agricultural Economics	7	6	7	3	8	8	12	8	59	
Agricultural Engineering	15	2	5	1	0	2	4	2	31	
Agronomy	11	3	7	0	8	1	9	4	43	
Animal Science	7	4	5	2	14	7	7	2	48	
Biology	30	11	29	10	28	6	20	7	141	
Dairy Science	3	3	3	2	2	3	5	2	23	
Entomology	1	0	3	2	1	0	2	0	9	
Food Science	7	1	2	1	3	2	0	0	16	
Forestry	55	8	15	8	15	7	22	3	133	
Horticulture	3	4	5	5	8	4	6	3	38	
Poultry Science	1	1	1	1	0	0	3	0	7	
Pre-Veterinary	24	8	11	3	9	1	0	0	56	
Sub-Total	168	51	93	38	96	41	90	31	608	
Architecture	66	10	55	14	51	13	55(a)	8(b)	272	
Building Construction	6	7	8	6	9	6	8	1(c)	51	
Sub-Total	72	17	63	20	60	19	63	9	323	
Arts and Sciences	149	76	152	67	141	53	119	46	803	
Chemistry	23	5	17	2	5	3	11	4	70	
Geology	6	4	2	4	1	1	6	1	25	
Mathematics	56	8	31	6	24	12	14	7	158	
Medical Technology	9	4	4	2	6	2	4	0	31	
Nursing	29	1	25	1	0	0	0	0	56	
Physics	20	3	12	2	7	1	8	1	54	
Pre-Medicine	118	18	59	15	42	9	32	10	303	
Pre-Pharmacy	15	4	7	2	2	0	0	0	30	
Sub-Total	425	123	309	101	228	81	194	69	1530	
Agricultural Education	14	7	11	12	10	7	12	8	81	
Elementary Education	7	3	6	2	3	0	0	0	21	
Industrial Education	4	5	5	7	6	4	12	6	49	
Recreation & Park Adm.	28	20	21	17	11	4	0	0	101	
Secondary School Teaching	11	4	5	0	0	0	0	0	20	
Science Teaching	2	5	8	1	9	4	5	1	35	
Sub-Total	66	44	56	39	39	19	29	15	307	
Engineering	47	0	0	0	0	0	0	0	47	
Ceramic Engineering	22	3	17	4	20	3	8	7	84	
Chemical Engineering	96	11	39	4	30	1	35	3	219	
Civil Engineering	147	27	79	16	43	16	31	12	371	
Electrical Engineering	125	30	79	21	39	13	52	27	386	
Industrial Engineering	0	4	5	7	6	5	15	4	46	
Mechanical Engineering	111	30	47	12	37	17	47	19	320	
Metallurgical Engineering	2	1	4	0	4	0	0	0	11	
Sub-Total	550	106	270	64	179	55	188	72	1484	
Industrial Management	139	64	103	48	88	30	91	37	600	
Textile Chemistry	9	2	7	1	1	0	8	3	31	
Textile Management	0	0	1	1	3	9	21	5	40	
Textiles	17	5	14	6	15	1	0	0	58	
Textile Science	0	0	0	0	0	1	4	0	5	
Sub-Total	165	71	125	56	107	41	124	45	734	
Total	1446	412	916	318	709	256	688	241	4986	
					Part Time		Full Time			
Graduates - Master's Level					138(d)		217		355	
Graduates - Ph.D. Level					44		94		138	
Postgraduates					11(e)		19		30	
Non-Degree Students					31		0		31	
Total					224		330		554	
Grand Total										5540
Greenville Center										175
Sumter Center										97
Overall Total										5812

(a) Includes nine who are in the first semester of the fifth year.

(b) Includes six who are in the second semester of the fifth year.

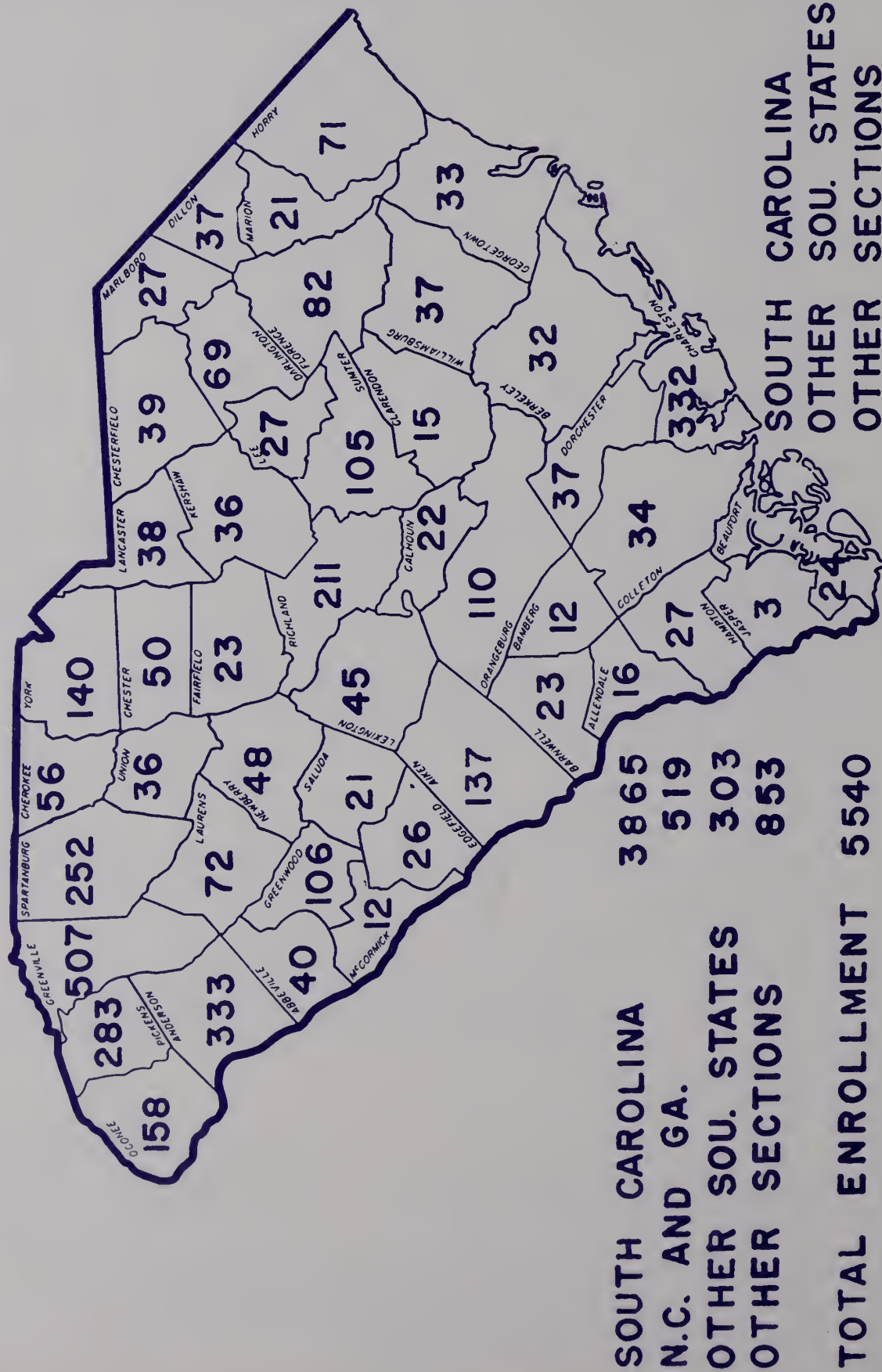
(c) The one student is in the second semester of the fifth year.

(d) Includes thirteen off-campus at Greenville.

(e) Includes three off-campus at Greenville.

WHERE THE CLEMSON STUDENTS COME FROM

FIRST SEMESTER 1966 - 1967



CLEMSON UNIVERSITY

ADMISSIONS AND REGISTRATION

Enrollment by Men and Women - Full Time and Part Time

First Semester 1966-1967

Classification	Men			Women			Total		
	Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total
1st Sem. Freshman	1290	1	1291	154	1	155	1444	2	1446
2nd Sem. Freshman	384	0	384	28	0	28	412	0	412
Sub-Total	1674	1	1675	182	1	183	1856	2	1858
1st Sem. Sophomore	811	2	813	101	2	103	912	4	916
2nd Sem. Sophomore	298	0	298	18	2	20	316	2	318
Sub-Total	1109	2	1111	119	4	123	1228	6	1234
1st Sem. Junior	648	2	650	57	2	59	705	4	709
2nd Sem. Junior	244	1	245	9	2	11	253	3	256
Sub-Total	892	3	895	66	4	70	958	7	965
1st Sem. Senior	640	6	646	30	3	33	670	9	679
2nd Sem. Senior	219	5	224	10	0	10	229	5	234
Sub-Total	859	11	870	40	3	43	899	14	913
1st Sem. Fifth Year	9	0	9	0	0	0	9	0	9
2nd Sem. Fifth Year	7	0	7	0	0	0	7	0	7
Sub-Total	16	0	16	0	0	0	16	0	16
Total	4550	17	4567	407	12	419	4957	29	4986
Graduate - Master's Level	190	103	293	27	35	62	217	138	355
Graduate - Ph.D. Level	92	42	134	2	2	4	94	44	138
Postgraduates	7	14	21	1	8	9	8	22	30
Non-Degree Students	0	11	11	0	20	20	0	31	31
Total	289	170	459	30	65	95	319	235	554
Grand Total	4839	187	5026	437	77	514	5276	264	5540
Greenville Center	143	6	149	21	5	26	164	11	175
Sumter Center	68	5	73	19	5	24	87	10	97
Overall Total	5050	198	5248	477	87	564	5527	285	5812

ENROLLMENT TRENDS

FIRST-SEMESTER UNDERGRADUATE ENROLLMENT BY COLLEGES OR SCHOOLS

College or School	1961- 1962	1962- 1963	1963- 1964	1964- 1965	1965- 1966	1966- 1967
Agriculture and Biological Sciences ²	620	565	555	584	551	608
Architecture	233	269	276	289	342	323
Arts and Sciences ^{1,4}	1224	775	926	1095	1374	1530
Education ^{2,3,4}					111	307
Engineering ³	1531	1532	1534	1494	1504	1484
Industrial Management and Textile Science ¹	303	893	786	754	727	734
Total	3911	4034	4077	4216	4609	4986

PER CENT OF UNDERGRADUATE STUDENT ENROLLMENT BY COLLEGES OR SCHOOLS

College or School	1961- 1962	1962- 1963	1963- 1964	1964- 1965	1965- 1966	1966- 1967
Agriculture and Biological Sciences ²	15.9	14.0	13.6	13.9	12.0	12.2
Architecture	6.0	6.7	6.8	6.8	7.4	6.5
Arts and Sciences ^{1,4}	31.3	19.2	22.7	26.0	29.8	30.7
Education ^{2,3,4}					2.4	6.1
Engineering ³	39.1	38.0	37.6	35.4	32.6	29.8
Industrial Management and Textile Science ¹	7.7	22.1	19.3	17.9	15.8	14.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

1. Industrial Management included under Arts and Sciences through 1961-1962.
2. Agricultural Education included under Agriculture and Biological Sciences through 1964-1965.
3. Industrial Education included under Engineering through 1964-1965.
4. Science Teaching included under Arts and Sciences through 1964-1965.

FIRST SEMESTER ENROLLMENT OF FIRST SEMESTER FRESHMEN BY COLLEGES
OR SCHOOLS

College or School	1961- 1962	1962- 1963	1963- 1964	1964- 1965	1965- 1966	1966- 1967
Agriculture and Biological Sciences ²	168	152	147	153	161	168
Architecture	106	106	89	85	102	72
Arts and Sciences ^{1,4}	349	224	273	370	472	425
Education ^{2,3,4}					11	66
Engineering ³	551	551	550	560	584	550
Industrial Management and Textile Science ¹	74	201	167	161	203	165
Total	1248	1234	1226	1329	1533	1446

PER CENT OF FIRST SEMESTER FRESHMAN ENROLLMENT BY COLLEGES OR SCHOOLS

College or School	1961- 1962	1962- 1963	1963- 1964	1964- 1965	1965- 1966	1966- 1967
Agriculture and Biological Sciences ²	13.5	12.3	12.0	11.5	10.5	11.6
Architecture	8.5	8.6	7.2	6.4	6.7	5.0
Arts and Sciences ^{1,4}	28.0	18.2	22.3	27.9	30.8	29.4
Education ^{2,3,4}					.7	4.6
Engineering ³	44.1	44.6	44.9	42.1	38.1	38.0
Industrial Management and Textile Science ¹	5.9	16.3	13.6	12.1	13.2	11.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

1. Industrial Management included under Arts and Sciences through 1961-1962.

2. Agricultural Education included under Agriculture and Biological Sciences through 1964-1965.

3. Industrial Education included under Engineering through 1964-1965.

4. Science Teaching included under Arts and Sciences through 1964-1965.

PERSONAL MENTION

--Dr. Virginia S. Hardie (Counseling) was the featured luncheon speaker at The Institute on Campus Ethics and Religion sponsored by the YMCA of Clemson University on October 10.

--Dr. Virginia S. Hardie served as one of four consultants (Religious, Psychological, Medical, and Scientific) for a workshop on Marriage at Converse College, Spartanburg, South Carolina, on October 19.

--James F. Miles (Ag Ec) has been elected to the Executive Committee and Vice-Chairman of the Southern Regional Poultry Marketing Technical Committee (SM 37).

--J. W. Huffman (Chem) has been awarded a grant of \$28,000 for a period of three years by NIH for research in the "Synthesis of Iboga Alkaloids."

--G. B. Savitsky (Chem) addressed a seminar in the Chemistry Dept., North Carolina State University, Oct. 6.

--F. J. Lindstrom (Chem) was invited to present a paper at the Anachem Award Symposium honoring Prof. Harvey Diehl of Iowa State University. The symposium was held at the annual meeting of the Association of Analytical Chemists, Inc., Detroit, Michigan, October 12th.

--Robert Sorrells of the Dept. of English has a short story in Southern Writing in the Sixties, recently published by the Louisiana State University Press.

--L. E. Hill (Econ) has published "An Analysis of a Socio-Political Concept," in the Atlanta Economic Review, September 1966.

--The staff members of Agri. Chem. Service listed below gave the following papers at a meeting of the Association of Official Analytical Chemists in Washington, D. C. October 10-13:

--M. L. McCrackan--"Comparison of Potassium Content of Fertilizers by Atomic Absorption and Sodium Tetraphenylboron." Co-authors were H. J. Webb, H. E. Hammar, and C. B. Loadholt.

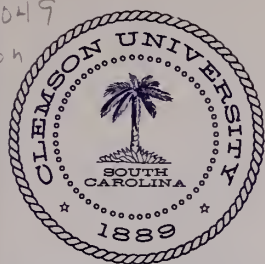
--H.E. Hammar--"Interlaboratory Study on the Micronutrient Analysis of Fertilizers." N.R. Page was co-author.

--J.T. Gillingham--"Analytical Differences between AOAC Crude Fiber and Van Soest's Acid Detergent Fiber." Co-authors were J.T. Kim, and C.B. Loadholt.

--N.R. Page and D. Brock were collaborators of a report on a "Study to Determine the Nitrogen Content of Fertilizers from Slow Release Materials." H.E. Hammar and N.R. Page were collaborators of a report on a "Study of Atomic Absorption Spectrophotometry for Determining Secondary and Micronutrients in Fertilizers."

--Harty S. Powell (Livestock-Poul. Health) presented a paper on "The Leucocyte Counts of Cattle Aborting due to Brucella Abortus Infection vs. the Leucocyte Counts of Non-infected Cattle Calving Normally" before the Ninth Annual Conference of Veterinary Laboratory Diagnosticians in Buttrick, New York, October 11, 1966.

--W.J. Lanham (Ag Ec) attended the regional meetings of S.C. Farmers Cooperative Council, October 12 and 13, in Sumter and Columbia and presented a paper entitled "Improved Efficiency in Cooperative Business."



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 7

November 15, 1966

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM
Nov. 16 W

CALENDAR: NOVEMBER 16-30

JAN 9 1967

- Nov. 16 W Chemical Engineers' wives will meet at the home of Mrs. G. F. Meenaghan, 206 Tamassee Drive at 8 p.m. The latest in hair styles and a facial demonstration will be given by Mrs. Peggy Childs, Seneca.
- Nov. 16 W Laicos Club, will meet at 8:15 p.m., Clemson House.
- Nov. 17 Th Dr. E. C. Ashby, School of Chemistry, Georgia Institute of Technology, will speak on "Composition of Grignard Compounds and Mechanisms of Reaction," at 4 p.m. in Room 131, Brackett Hall.
- Nov. 17 Th The make-up flu shot clinic for faculty and their families will be in the Physics Auditorium from 5:00 p.m. to 5:30 p.m. on November 17, 1966
- Nov. 19 S Football--N. C. State at Raleigh, 1:30 p.m.
- Nov. 21 M Papa, Mama, The Maid and I 94 min. 1954. The modes, manners, and morals of the French middle class are depicted with affectionate irony in this new comedy success by the director who has previously demonstrated his ability with warm-hearted film-making.
- Nov. 24-26 Th-Sat Thanksgiving Holidays.
- NOV. 26 S FORMAL OPENING JAMES F. BYRNES ROOM OF THE ROBERT MULDROW COOPER LIBRARY, 10:30 a.m.
- Nov. 26 S Football--U. S. C. at Clemson, 2 p.m.
- Nov. 28 M Forum Club will meet at 7 p.m. in the Chemistry Bldg. Conference Room.
- Nov. 28 M Maria Candelaria 102 min. Spanish. A touching story of the lives of two peasants. Maria's mother was stoned to death by an angry mob, many years ago, and Maria still must bear the cross of guilt placed upon her shoulders by the superstitious villagers. To add realism, the filming was done on location, in the village, gardens and canals of Xochimilco.
- Nov. 28 M Dr. E. G. Fruh, Assistant Professor, Environmental Health Engineering, University of Texas, will speak on Limnology and Raw Water Quality of Sub-Tropical Lakes in Room 300, Civil Engineering Building at 4:00 p.m.
- Nov. 30 W Laicos Club, will meet at 8:15 p.m., Clemson House.
- Nov. 30 W Mr. Robert H. West, Chairman, Department of English, University of Georgia will speak on "Existentialism in Shakespeare", Wed. Nov. 30 at 3:30 p.m. in Room E-108,

CLEMSON CHORALE SOCIETY TO PRESENT CONCERT

The Clemson Chorale Society, Directed by Joseph E. Jackson, will present Antonio Vivaldi's *Gloria* - in concert, Monday night, December 5, at 8:15 p.m.

The duet for sopranos, *Laudamus Te* (We Praise Thee, Lord) will be sung by Mrs. Betty Hubbard and Mrs. Melinda Stout. The soprano solo, *Domine Deus*, (Oh Lord Most Holy), will be sung by Mrs. Doris Hill. The two contralto solos, *Domine Deus* (Oh Lord Most Holy) and *Qui Sedes ad Dexteram* (Deliver Thy People) will be sung by Mrs. Barbara Georgian.

Robert Mattison, cellist, and Dr. Hugh McGarity, pianist, will be accompanists for the group. The public is cordially invited to attend. There is no admission charge.

A CONCERT OF CHRISTMAS MUSIC

Clemson University Choral Division will present a concert of Christmas Music on Friday evening at 8:15 in Tillman Auditorium. The concert will feature the University Men's Glee Club, the University Singers, the University Men's Quartet, and soloists. A variety of Christmas Music will be presented by these groups. *Jesu, Joy of Man's Desiring*, with cellist Robert Mattison and pianist Jane Amick, an English carol, *The Boar's Head*, French carols, *At Solemn Midnight* and *Sing We Now of Christmas*, the spiritual, *Go Tell It On the Mountain*, and the well known *Sleigh Ride* by Leroy Anderson will be presented by the Men's Glee Club.

The University Singers (Mixed ensemble) will present the Alfred Burt Carols, Set II, selections from the Unfinished oratorio, *Christus* by Felix Mendelssohn, and *The Snow* by Edward Elgar; *The Snow* will feature Mrs. Robert Hill, violinist.

The Christmas Song, by Gustaf Holst, based on a medieval plainsong melody from "Piae Cantiones", and *Indian Christmas Carol* by a Jesuit Priest--depicting the Huron Indians, and *The Shepherds Story* by Clarence Dickinson, will be presented by the combined groups of the Choral Division.

The public is cordially invited to attend and enjoy the spirit of Christmas in concert Friday, December 2, 8:15 p.m.

HARPER GAULT IS ALUMNI PRESIDENT-ELECT

Harper S. Gault '28, a communications executive from Rock Hill, is the new president-elect of the Clemson University Alumni Association. He edged C. Calhoun Lemon '32, of Barnwell, for the top position in a near-record vote by association members throughout the nation.

Mr. Gault will serve next year under association president Thomas E. Thornhill of Charleston, and becomes president in 1968. Mr. Lemon, a transportation executive, will serve three years as a member-at-large on the association's National Council.

The new president-elect, a native of Glendale in Spartanburg County, is co-owner of radio station WRHI in Rock Hill, and is a lifetime member of the board of directors and former national president of IPTAY.

Choice for vice president is Greensboro, N. C., City Manager George H. Aull, Jr., '44, who defeated Sam E. McGregor, '49, dairyman from Hopkins. Mr. Aull, a native of Clemson and former representative on the association's National Council, takes office January 1.

Also elected were 34 South Carolina division directors and seven district representatives to serve three-year terms on the National Council beginning in January. They are: Edward S. Olson, Clemson; Goode Bryan, Greenville; Philip H. Prince, Spartanburg; Walter T. Jenkins, Jr., Rock Hill; Edward L. Proctor, Conway; E. Hugh Agnew, Starr; and Frank W. Atkinson, Jr., North Augusta.

LOCAL ALUMNI ORGANIZE

The Fort Hill Clemson Alumni Club has been organized to embrace the Central, Pendleton, and Clemson areas. The club represents one of the largest groups of Clemson alumni concentrated in one locality. More than 500 alumni live in the three-town area.

A constitution has been adopted and officers elected: Robert N. Newton, '62, president; Tom P. Reid, '55, vice president and president elect; Robert F. Nixon, '54, secretary; J. C. (Mike) Hubbard, '42, treasurer; and Ernest B. Rogers, Jr., '48, program chairman.

Purpose of the club is to provide good fellowship for Clemson alumni; to encourage a better informed alumni body; to establish a medium for serving Clemson in the communities; to work for increased active membership in the Clemson Alumni Association and its Loyalty Fund program; and to support the welfare and development of the university.

MINUTES OF THE FACULTY SENATE

October 18, 1966

The Faculty Senate met on October 18, 1966, at 4:15 p.m. in the auditorium of Olin Hall with President J. T. Long presiding.

Dr. Long made the following announcements:

(1) Dean Hurst has asked that his appreciation be expressed to members of the Senate who took part in the orientation program for new members of the faculty and staff, especially to Dr. H. G. LeFort.

(2) At the University Curriculum Committee meeting on October 13, several new graduate and undergraduate courses were approved and a six-year course leading to the M. A. degree in architecture was approved subject to the approval of the courses to be required in the program.

(3) At the recent meeting of the Alumni National Council a policy was agreed upon for the choosing of alumni professors.

(4) In answer to recent statements appearing in The Tiger concerning class absences, Dean Walter T. Cox says that there have been no changes in the policies printed in Student Regulations and that the faculty will be consulted before any changes are made.

A portion of a letter from Dr. Judson Hair concerning the Student Health Center's issuing medical excuses was read. After lengthy discussion a motion passed to refer the matter to the appropriate committee for consideration.

The following reports were given by representatives on standing committees of the University: Professor M. A. Boone announced that the Faculty Basic Research Committee had approved all proposed projects in part, with one proposal still pending; Professor Eugene Park reported that the Honors and Awards Committee had selected fifteen students to Who's Who among Students in American Colleges and Universities; Dr. Harriet Holman reported that the Graduate Council had approved a number of new graduate courses, approved new graduate programs in textiles, engineering, and education, and approved the omission of departmental designations from doctoral diplomas awarded by the College of Engineering; Dr. J. B. Whitney reported that the committee to study undergraduate teaching had received a report from the sub-committee studying student evaluation of teachers and will next consider the use of graduate assistants for undergraduate instruction; Dr. J. D. Antrim reported that the Parking Committee has realigned some portions of parking areas A, B, and C and has set the fine for students driving on campus during restricted hours at \$5.

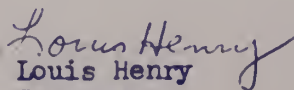
Dr. B. R. Skelton presented a proposal from Tiger Brotherhood for an annual award to honor a distinguished undergraduate professor. A motion was passed to refer the proposal to the appropriate committee for consideration. The Executive Committee voted to assign this proposal to the Policy Committee.

The meeting was adjourned at 5:10 p.m.

Members absent:

T. L. Senn	R. C. Marshman
E. A. Gunnin	J. J. Porter
H. H. McGarity	J. M. Wannamaker

Respectfully submitted,


Louis Henry
Secretary

RESEARCH FACULTY COUNCIL MEETING

October 11, 1966

The monthly meeting was called to order at 4:05 P.M., 101 Physics Building.

The Minutes of the September meeting were approved as circulated.

The Personnel Relations Committee requested that Dean Hurst be asked to appoint University personnel from the appropriate areas of the University to serve on a committee to develop a Safety Code for the University.

Dr. Fox reported that the results of a survey on the indefinite loan of books from the library had been turned over to Mr. Gourlay.

Dr. Schwartz reported that Dean Hurst had expressed an appreciation of thanks to the several Research Faculty Council Members who participated in the New Faculty Orientation Program.

Dr. Schwartz reviewed a letter written to the University from the American Council on Education regarding conflicts of interest in Government sponsored research and directed the Policy Committee to review our current policy and recommend a revised policy for preventing conflicts of interest in Government sponsored research at Clemson University.

All Research Faculty Council members were urged to attend the library dedication.

The motion was made and carried that the Research Faculty Council recommend a change in Article 1, Section 1, Part 2 of the By-Laws of the Constitution and By-Laws of the Research Faculty.

The meeting adjourned at 4:45 P.M.

Respectively submitted,

G. R. Craddock, Secretary

Absent:

G. R. Craddock

PERSONAL MENTION

--J. F. Miles (Ag Ec) gave a report on "Broiler Plant Labor Efficiency" at the National Broiler Council Annual Convention in Washington, D. C., on October 12, 1966.

--J. M. Stepp (Ag Ec) discussed "The Economics of Pollution Control" at the Management Seminar on Water and Air Pollution Control, sponsored by Clemson University, the American Institute of Plant Engineers, and the S. C. Pollution Control Authority, Clemson, S. C.; October 12.

--Joel Richardson (IM) has satisfactorily completed all requirements for registration as a Professional Engineer and was registered as such by the South Carolina Board of Engineering Examiners at their October meeting.

--C. O. Shuler (IM-TS) presented a paper "A Methodology of Estimating the Cost of the 1966 Amendment to the Fair Labor Standards Act to South Carolina Hospitals" at the fall meeting of the S. C. Hospital Association in Columbia on October 28.

--J. L. Richardson (IM & TS) presented a paper on "Wage Incentives" for the 12th annual "Ceramics Plant Operators Forum" on October 31st at the Clemson House.

--J. H. Moore and W. A. Welsh (CE) attended the American Concrete Institute convention in New Orleans from October 26 through October 28. While there, Dr. Moore participated in meetings of Committee 316 on Concrete Pavements, of which he is a member.

--Lyle C. Wilcox (EE) presented a paper, "Retraining Biologists as Bioengineers," at the Fourth Bioengineering Symposium held at the Rose Polytechnic Inst., Terra Haute, Indiana, October 17-19.

--Claud B. Green (Summer Sessions) served as a member of a visitation committee from the Southern Association of Colleges and Schools to the University of South Alabama, Mobile, on October 30-November 1.

--F. C. Alley (Ch Engr) and A. R. Abernathy (ESE) presented papers at the Instrument Society of America Annual Conference in New York, October 24-27. At the session on Detection and Measurement of Stream and Air Pollution, A. R. Abernathy discussed "Continuous Monitoring for Water Quality Control," and F. C. Alley spoke on "A Bench Scale Reaction System for Measuring Atmospheric Smog Potential."

--A. R. Abernathy (ESE) and A. T. Wallace (ESE) attended the annual meeting of the Pollution Control Section of the South Carolina Water and Pollution Control Association in Columbia November 3 and 4. On November 3, A. R. Abernathy presented a paper entitled "An Automatic Water Quality Monitor for the S. C. Pollution Control Authority." On November 4, T. L. Gooding, a former graduate student in ESE, presented a paper, co-authored by A. T. Wallace, entitled, "A Pipe-line Viscometer for Examination of Sewage Sludges in the Laminar Flow Region."

--Sam Wang and John Acorn (Arch) have received awards of merit in the 16th Annual Guild of South Carolina Artists Exhibit in the Columbia Museum of Art, Columbia, South Carolina. These two awards are the highest honors given in this annual state exhibition.

PERSONAL MENTION, continued

--Harlan E. McClure, FAIA, recently represented the University in Washington, D. C., at the presentation of an Architectural Honor Award for the Clemson University Library by the U. S. Department of Health, Education and Welfare.

--Harlan E. McClure, FAIA, will be Chairman of a National Architectural Accrediting Board team to visit Illinois Institute, November 14-16.

--Andrew Sobczyk (Math) presented papers entitled, "Complementary Decompositions" at the 1966 International Congress of Mathematics, Moscow, and "The Simple Dimension of a Topological Space", at the Second Symposium on General Topology, Prague, Czechoslovakia.

--Andrew Sobczyk (Math) lectured at the Mathematics Colloquium of the University of South Carolina, on the topic, "Maximal Topologies for Injective Pre-Images."

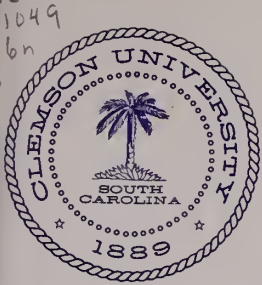
--F. W. Thode (Hort) presented two lectures in the Landscape Design Appreciation Series at the University of South Carolina on November 2.

GIFTS AND GRANTS

--From S. C. Soil and Water Conservation Committee, \$8,000 to Agronomy for continuation of soil survey program in South Carolina.

--From USDA, Cooperative State Research Service, \$73,000 to Agricultural Engineering for a project entitled "Seedling, Soil and Meteorological Relationships for Uniform Development for Young Cotton Plants."

--From USDA, Cooperative State Research Service, \$46,402 to be used in the construction of a swine facility for the agricultural experiment station.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 8

December 1, 1966

CALENDAR: DECEMBER 1-JANUARY 15, 1967

JAN 9 1967

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

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|------------|-------|---|
| Dec. 1 | Th | N. C. State-Clemson Swimming team will meet at Raleigh, N. C. |
| Dec. 1 | Th | Woman's Club, 8 p.m., Clemson House. Program of Christmas music by Clemson University Glee Club. Husbands are invited. |
| Dec. 1 | Th | Joint Army-Air Force Review at 4:30 p.m. on Bowman Field honoring Dr. Robert C. Edwards, recipient of the Army's Outstanding Civilian Service Award. In the event of inclement weather, the ceremony will take place in Tillman Hall auditorium. |
| Dec. 1 | Th | Basketball game at University of N. C. |
| Dec. 1 | Th | Mr. Robert H. Yeargin, President, Yeargin Construction Company, Greenville, S. C. will speak at 2 p.m. in Sistine Auditorium at the Industrial Management Seminar. |
| Dec. 2 | F | Univ. of N. C.-Clemson Swimming team will meet at Chapel Hill, N. C. |
| Dec. 3 | S | Basketball game--The Citadel at Clemson. |
| Dec. 5 | M | <u>The Devil's General</u> 119 min. 1955 7 and 9:15 p.m.
The most successful post-war play in Europe was Carl Zuckmayer's <u>The Devil's General</u> , which he wrote in the U. S. during World War II and dedicated to his friends in the German resistance killed by the Nazis. Brilliantly presented is the conflict between Göring and Himmler for the control of the Luftwaffe in 1941, as well as the decadent society of Hitler's Berlin with officers' rivalries and Gestapo spying. |
| Dec. 6 | T | Sage Club will have a dinner meeting at the Clemson House at 6:30 p.m. Dr. Lakshmi-Bai, of the Electrical Engineering Dept. will talk on <u>Goals of Man Through Changing Conditions</u> . |
| Dec. 6 | T | The Faculty Senate will meet at 4:15 p.m. in Olin Hall Auditorium. |
| Dec. 8 | Th | Examinations begin. |
| Dec. 12 | M | Dr. John H. Yeats, Executive Director of the South Carolina Mental Health Association, will speak to the Tri-County Personnel and Guidance Group on Monday, December 12, in the Social Science Auditorium (Hardin Hall). This will be an Open Meeting and all persons interested in mental health are cordially invited to attend. |
| Dec. 16 | F | Mid-Year Faculty Meeting, Chemistry Auditorium. |
| Dec. 16-17 | F-Sat | Basketball Tournament--Volunteer Classics, Knoxville, Tenn. |

CALENDAR, continued

Dec. 17	Sat	Mid-Year Graduation, Tillman Hall Auditorium, 3 p.m.
Dec. 29-30	Th-F	Poinsettia Classics--Greenville.
Jan. 3	T	Matriculation, New Students, Tillman Hall, 8-4 p.m.
Jan. 4	W	Laicos Club will meet at 8:15 p.m., Clemson House.
Jan. 4	W	Newcomers Club will meet at 8 p.m., Clemson House.
Jan. 5	Th	Woman's Club will meet at 3:30 p.m., Clemson House.
Jan. 5-6	Th-F	Registration, All Students, Arts & Sciences Classroom Bldg.
Jan. 7	Sat	Classes begin (abbreviated schedule).
Jan. 9	M	Forum Club will meet at 7 p.m., Chemistry Bldg. Conference Room.
Jan. 10	T	The Sage Club will meet at the Clemson House at 6:30 p.m. for a dinner meeting.
Jan. 10	T	The Faculty Senate will meet at 4:15 p.m. in the Auditorium of Olin Hall.
Jan. 10	T	Basketball--Duke at Clemson.
Jan. 12	Th	Graduate wives will meet at 8 p.m., YMCA Club Room.
Jan. 14	S	Appalachia State Teachers Col.-Clemson swimming team will meet at 3 p.m. at Clemson.
Jan. 16-19	M-Th	Religious Emphasis Week

CLEMSON NIGHT GOES 7-DAYS!

Clemson Night Around the World, the annual occasion on which Clemson Clubs meet to celebrate their Clemson heritage, becomes Clemson Week Around the World beginning with next year's observance. The dates will be March 27 thru April 1, 1967. These dates were selected to avoid the pre-Easter lenten season and the severe winter weather that has plagued the previous February celebrations. Clubs should plan to meet on any night of Clemson Week; the Alumni Association will continue to provide programs and speakers from the campus wherever possible.

Minutes of the Faculty Senate
November 15, 1966

The Faculty Senate met on November 15, 1966, at 4:15 p.m. in Olin Hall Auditorium with President J. T. Long presiding.

Dr. Long made the following announcements: 1) The Senate recommendation concerning the requirement of a minimum grade point ratio in a specific group of courses has been referred back to the Senate without action by the administration. The recommendation is to be reconsidered by the Admissions and Scholarship Committee. 2) The Educational Council will probably consider at its December meeting the Senate proposal concerning transfer of faculty members from one administrative unit to another and one campus to another. 3) The Educational Council has approved curriculums recommended by the Curriculum Committee. 4) The Athletic Council met to consider matters to be discussed at the meeting of the Atlantic Coast Conference. 5) Make-up flu shots for faculty members will be given on November 17 from 5:00 to 5:30 p.m. in the Physics Auditorium. 6) The Committee on Committees has met twice: to assign items to committees and to choose a replacement for Dr. J. B. Whitney, who had asked to be relieved as chairman of the Policy Committee. Dr. A. T. Hind was selected. 7) Dr. Long urged members of the Senate to attend the dedication of the James F. Byrnes Room in the library on November 26 at 10:30 a.m. 8) An ad hoc committee composed of Dr. H. E. Vogel, Professor W. C. Bowen, and Professor R. A. Banister has been appointed to study Senate representation for off-campus units.

Dr. T. L. Senn presented a report from the Admissions and Scholarship Committee concerning foreign students, suggesting that "a centralization of assistance and guidance efforts for the foreign students would be in order" and that admission procedures should be such as to insure the admission of only those students with a mastery of the English language. The committee submitted no formal recommendations on these matters. A motion was passed recommending that "the Admissions Office establish a policy of mailing to incoming freshmen a list of texts and required equipment as complete as possible, together with a realistic approximation of the cost of each." The Admissions and Scholarship Committee also recommended that there be no change in class attendance regulations as stated in Student Regulations, Section 7, Article 4, Paragraphs b and c. The motion passed.

Dr. Mark Steadman presented a report from the Welfare Committee concerning interest on retirement contributions. The report and the retirement policy will be studied further. A motion from the Welfare Committee concerning faculty salary notices was defeated. A letter asking that area public schools be requested to adjust their schedules to correspond to the university calendar has been considered by the Welfare Committee. Public school authorities have been told of the request.

Dr. A. T. Hind presented the following motion from the Policy Committee: "No excuse slips of any kind will be issued by the Student Health Service for outpatient visits. If a student is hospitalized, he will be given a certificate indicating the time of admission and the time of discharge." The recommendation was approved. The Policy Committee also recommended study of the possibility of establishing a formal system for supplying part-time clerical help on the campus "in case of absences and certain 'crash' situations." The motion passed.

MINUTES OF THE FACULTY SENATE, cont.

Dr. J. D. Antrim, Senate representative on the Parking Committee, announced that regulations for the use of the library parking lot have been clarified. White zones are for library employees only; yellow zones are for two-hour parking. The hours for enforcement of parking regulations are to be discussed.

Professor E. A. Gunnin, Senate representative on the Schedule Committee, announced plans for second semester registration, with pre-registration for the entire student body, including graduate students. He also reported that a space utilization study will be made soon. He said that Mr. K. N. Vickery has asked that each department post during the pre-registration period names of instructors scheduled to teach during the second semester.

The meeting was adjourned at 5:45 p.m.

Members absent:

J. M. Stepp
H. H. Macaulay
H. M. Felder
B. R. Skelton
W. C. Bowen
D. W. Bradbury

Respectfully submitted,

Louis Henry
Secretary

LH:ae

RESEARCH FACULTY COUNCIL MEETING

November 8, 1966

The monthly meeting of the Research Faculty Council was called to order at 4:05 p.m., 201 Physics Building by Chairman A. E. Schwartz.

The minutes of the October meeting were approved as circulated.

Dr. Schwartz introduced Dean Hurst who addressed the Council on the importance and progress of research activities at Clemson during the past several years. He stated that research activities and Graduate School enrollment have advanced together in recent years and that support from research grants has been significant--Clemson receives more funds from NDEA, NIH and NASA than any other institution of higher learning in South Carolina. Comments were made on the status of the building program.

Dr. Schwartz resumed the chair and asked Dr. Godley and his Committee on Organization to prepare a statement for distribution to the Research Faculty on the proposed change in the by-laws of the Research Faculty.

Dr. Fox reported that the Policy Committee expects to have a report for the December meeting.

The meeting adjourned at 5:12 p.m.

Absent:

M. B. Bishop
W. P. Byrd

Respectively submitted,

G. R. Craddock, Secretary

UNIVERSITY AWARDED 24 NDEA FELLOWSHIPS:

The University has been awarded 24 NDEA Fellowships in the following areas: Agricultural Economics, Agronomy & Soils, Animal Physiology, Bio-engineering, Chemical Engineering, Chemistry, Civil Engineering, Engineering Mechanics, Entomology & Zoology, Mechanical Engineering, Nutrition, Physics, and Plant Pathology.

This represents an increase of 6 Fellowships over the past year.

MANAGEMENT STUDENTS WIN PERFORMANCE AWARD

Dr. Cyril O. Shuler and Larry Shaw (Senior, IM) attended the Annual Awards Luncheon of the Society for the Advancement of Management in New York on Nov. 11.

The Clemson student chapter received a Performance Award for placing fifth out of 211 student chapters in the U. S.

FEDERAL BASIC RESEARCH FUNDS AT UNIVERSITIES SHOW 10% GAIN IN 1967 (from Higher Education and National Affairs)

Basic research funds to educational institutions from Federal sources are expected to show an increase of ten percent in the current fiscal year, the National Science Foundation reports in its annual survey of the Federal research and development budget. NSF said that Federal obligations for basic research have risen from \$1.7 billion in fiscal year 1965 to an estimated \$1.9 billion in 1966 and \$2.1 billion in 1967. As a share of total Federal research and development (plant excluded), basic research has risen from 12 percent in 1965 and 1966 to 13 percent in 1967. Basic research is the only research and development component expected to show increased support in fiscal year 1967.

In 1966, the share of Federal support for basic research received by educational institutions was estimated at 46 percent. Percentage shares of other performers were industry, 19 percent; Federal laboratories, 24 percent; and other non-profit institutions, eight percent. Research centers in fiscal year 1966 accounted for 13 percent of all basic research performed, and the bulk of this work is done under university administration. Some 76 percent of all research-center-located basic research is done for the Atomic Energy Commission and more than 17 percent is done for the National Aeronautics and Space Administration.

There are now 16 Federal departments and agencies that conduct or support basic research, NSF reported, although five of them are scheduled to obligate 90 percent of the total funds in 1965 through 1967. These are NASA, AEC, NSF, the Department of Health, Education, and Welfare, and the Department of Defense. Of the remaining ten percent of the funds, half are expected to be obligated by the Department of Agriculture and the rest by the Departments of Commerce, the Interior, Labor, the Treasury, Housing and Urban Development, the Civil Service Commission, the Smithsonian Institution, the Veterans Administration, the Office of Economic Opportunity, and the Small Business Administration.

The following table shows, in millions of dollars, estimated Federal obligations for basic research by agency and field of science for 1966:

Field of science	Total	National Aeronautics and Space Adminis- tration	Department of Health, Education, and Welfare	Atomic Energy Commission	Depart- ment of Defense	National Science Foundation	Other
Total	\$1,929	\$603	\$357	\$285	\$273	\$222	\$188
Life sciences	572	61	280	62	30	54	84
Biological sciences	207	58	22	38	9	52	26
Medical sciences	320	3	258	22	21	1	14
Agricultural sciences	45	—	(a)	2	--	(a)	43
Psychological sciences	73	5	48	--	9	8	2
Physical sciences	1,233	536	12	223	232	145	85
Physical sciences proper	1,003	463	7	202	146	110	75
Astronomy	220	195	--	--	10	15	1
Chemistry	114	7	6	36	14	19	31
Atmospheric sciences	150	93	(a)	5	22	23	7
Oceanography	44	--	(a)	4	19	17	4
Solid earth sciences	118	86	--	--	3	10	18
Elementary particle physics	176	61	(a)	98	9	9	--
Nuclear structure physics	45	1	--	32	7	4	1
Atomic, molecular, solid state physics	66	19	(a)	16	20	6	6
Other physics	46	2	(a)	10	25	4	4
Other physical sciences proper	24	--	(a)	--	18	3	3
Mathematical sciences	62	7	2	6	31	15	2
Engineering sciences	167	66	2	15	55	20	9
Social sciences	49	1	15	--	2	15	17
Other sciences	2	--	2	--	--	--	--

a Less than \$500,000.

Copies of the 195-page report, NSF document No. 66-25, Federal Funds for Research, Development, and Other Scientific Activities, are available at \$1.25 each from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

JERRY B. ADDY MEMORIAL SCHOLARSHIP FUND

Clemson University and the family of the late Jerry B. Addy hereby announce plans to establish the Jerry B. Addy Memorial Scholarship Fund. It is the desire of the Y.M.C.A. to enlist student and staff co-operation in the establishment of this Scholarship fund, for it will provide a Clemson student with the necessary capital to continue his education.

With your concern and co-operation, this plan will be possible. Contributions may be made through the Councils and Cabinet of the Y.M.C.A. or through the Student Chaplain, P. O. Box 3644, Clemson University, Clemson, S. C. 29631.

PERSONAL MENTION

--Herbert Brantley (RPA) presented a paper "Trends in Industrial Sponsorship of Recreation" to the Industrial Division of the North Carolina Park and Recreation Society at the Society's Annual Conference in Winston Salem, North Carolina, on November 9, 1966.

--F. I. Brownley, Jr., (Grad Sch) has been appointed to a Committee of the Higher Education Council of the Regional Education Laboratory of the Carolinas and Virginia.

--Richard J. Calhoun (Eng) was elected secretary of the Literary Criticism Discussion Group at the November 10-12 meeting of the South Atlantic Modern Language Association Meeting at Charlotte, North Carolina.

--Sam Willis (Sumter Univ. Branch) was elected to the Board of Directors for the Southern Management Association while attending the meeting of the Southern Economics Association and the Southern Management Association in Atlanta, Ga., Nov. 10-12.

--Herbert Brantley (RPA) discussed "Professional Education for Recreation and Park Administration" at the twenty-first Annual Conference of the South Carolina Recreation Society in Florence, South Carolina on Nov. 15.

PERSONAL MENTION, cont.

--R. F. Borgman (FSB) presented a paper on "Metabolism of C-14 Label Fatty Acids in Rabbits" at the Southeastern Regional Meeting of the American Chemical Society, Louisville, Kentucky, October 27, 28, 29.

--C. V. Aucoin, Adrew Sobczyk, J. W. Kenelly, W. R. Hare (Math) attended the American Mathematical Society meeting in Tampa, Florida, November 10-11. Professor Sobczyk presented a paper on the topic, "Extreme Spaces and Irreducible Mappings", and chaired the Topology Session at the meeting. Professors Hare and Kenelly presented a joint paper, "A Characterization of Hyperplanes by Helly Type Theorem."

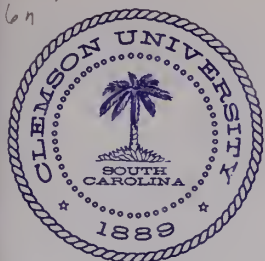
--Faculty members and students of the Physics Department will give eight papers at the meeting of the American Physical Society at Nashville, Tennessee on December 1-3. Papers to be given are:

1. Superconductivity in Thin Indium Films by Michael M. Garland and Henry E. Vogel.
2. Thermal Reorientation of V_K Centers in KCl by F. J. Keller and associates at ORNL.
3. Electron-Multipole Scattering by P. B. Burt, W. E. Gettys and H. W. Graben.
4. & 5. Nonadditive Interactions in Gaseous and Solid States and Nonadditive Overlap in the Thomas-Fermi-Dirac Approximation by H. W. Graben and R. D. Present (of the University of Tennessee).
6. Energy Dependence of Stage I Recovery in Electron Irradiated Aluminum by H. M. Simpson and R. L. Chaplin.
7. Decoration of Fresh Dislocations in NaCl doped AgCl Crystals by C. G. Vaughan and M. G. Miller.
8. New Technique for Measuring Isothermal Third-Order Elastic Constants by B. E. Powell, E. P. Stillwell and M. J. Skove.

--B. J. Todd (IM) has been appointed Faculty Representative of the American Statistical Association at Clemson for a period of three years. As a faculty representative he will be a member also of the Faculty Representatives Executive Committee for the same period.

--L. H. Hill (Econ) read "Recent Epistemological Trends and Economic Methodology," at the Southern Economic Association meetings in Atlanta, November 11.

--Claud B. Green (Summer Sessions) attended the annual meeting of the National Association of College and University Summer Sessions in Los Angeles, November 15-18, where he served as chairman of the session on "Standards for Admission to the Summer Session."



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 9

January 1, 1967

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JAN 9 1967

CALENDAR: JANUARY 1-JANUARY 15, 1967

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|------------|------|--|
| Jan. 3 | T | Matriculation, New Students, Tillman Hall, 8-4 p.m. |
| Jan. 4 | W | Laicos Club will meet at 8:15 p.m., Clemson House. |
| Jan. 4 | W | Newcomers Club will meet at 8 p.m., Clemson House. |
| Jan. 5 | Th | Woman's Club will meet at 8 p.m., Clemson House. Newcomer's Club will present the program. |
| Jan. 5-6 | Th-F | Registration, All Students, Arts & Sciences Classroom Bldg. |
| Jan. 7 | Sat | Classes begin (abbreviated schedule). |
| Jan. 9 | M | Forum Club will meet at 7 p.m., Chemistry Bldg. Conference Room. |
| Jan. 9 | M | Dr. F. C. Bawden, Director of Rothamsted Experimental Station, Harpenden, England and authority on viruses, plant diseases, and world food supplies will present a seminar on "Viruses and Virus Diseases" and a lecture on "The History and Work of Rothamsted Experiment Station." The seminar will be at 4 p.m. and lecture at 8 p.m., P&AS Auditorium. |
| Jan. 10 | T | The Faculty Senate will meet at 4:15 p.m. in the Auditorium of Olin Hall. |
| Jan. 10 | T | Basketball--Duke at Clemson. |
| Jan. 12 | Th | Graduate wives will meet at 8 p.m., YMCA Club Room. |
| Jan. 14 | S | Appalachia State Teachers Col.-Clemson swimming team will meet at 3 p.m. at Clemson. |
| Jan. 16 | M | The Sage Club will meet at the Clemson House at 5:30 p.m. for a dinner meeting in conjunction with the Religious Emphasis Week group. Dr. Schweitzer will be the speaker. Tickets are \$2.00. |
| Jan. 16-18 | M-W | RELIGIOUS EMPHASIS WEEK. Dr. George K. Schweitzer, University of Tennessee, scientist, and religious leader, will conduct convocations during Religious Emphasis Week at Tillman Hall. The week's program will begin at 5:30 p.m. at the Clemson House with a dinner, January 16. Tickets are \$2.00 for the dinner. |

GRANT FROM U. S. DEPARTMENT OF AGRICULTURE

Clemson University has been awarded \$73,000 by the U. S. Department of Agriculture to study seedling, soil, and meteorological relationships for the uniform development of young cotton plants.

INDUSTRIAL ARTS RECEIVES NDEA SUMMER INSTITUTE GRANT

An NDEA Institute for advanced study in Industrial Arts in the amount of \$31,449 has been granted to the Department of Industrial Education for the summer of 1967. Twenty-five secondary school Industrial Arts teachers in the Southeastern states will be selected to participate in the curriculum development institute. Dr. Alfred F. Newton, Head, Department of Industrial Education, is the Director of the Institute.

DEPARTMENT OF MATHEMATICS TO HAVE SUMMER INSTITUTE

The Department of Mathematics will conduct a Summer Institute for secondary and junior high school teachers, June 15- August 15. The Institute is made possible by a grant of \$58,480.00 from the National Science Foundation.

NASA STUDY PROGRAMS AVAILABLE FOR FACULTY

NASA will sponsor seven specialized summer programs of research and study for young university faculty in engineering and science. These summer programs will be conducted cooperatively by NASA research centers and adjacent universities. These universities are: Alabama, Auburn, Case, Houston, Texas A&M, Maryland, Catholic, Stanford, Virginia, VPI and William and Mary.

Additional information may be obtained from the Graduate Office. Information about the postdoctoral research program of the Air Force (AFOSR) is also available.

NSF GRANT FOR SUMMER INSTITUTE FOR SECONDARY SCHOOL SCIENCE TEACHERS

The National Science Foundation has awarded Clemson a grant of \$55,960 to support a "Summer Institute for Secondary School Teachers of Science." Approximately sixty teachers will participate in this program beginning June 26 and ending August 3. The institute will be under the direction of Dr. J. Harvey Hobson, Professor of Chemistry, who will teach in the program along with Dr. Paul Birkhead, Geology, Dr. Philip Burt, Physics, Dr. James Fanning, Chemistry, and Dr. John Whitney, Jr., Biology.

RALSTON PURINA COMPANY AWARDS PROGRAM

Information concerning the Ralston Purina Company Research Fellowship Awards Program for 1967-68 may be obtained at the Graduate School Office.

MINUTES OF SPECIAL MEETING OF THE RESEARCH FACULTY

December 5, 1966

A special meeting of the Research Faculty was called to order by Dean Hurst on December 5, 1966 at 4:05 p.m. in the Civil Engineering Auditorium.

Dean Hurst appointed G. R. Craddock secretary for the meeting.

The minutes of the May 11, 1966 meeting were read and approved.

The main order of business was to consider the Research Council's proposal for a change in the By-Laws of the Research Faculty regarding eligibility of membership in the Research Faculty. After much discussion the motion was made and unanimously carried that Article I, Section I, Part 2 of the By-Laws of the Constitution and By-Laws of the Research Faculty be amended to read: "He must be certified by the dean of his college or school as being actively engaged in research on an officially approved research project." The motion deleted the sentence "Supervising research of graduate students is considered to be an instructional function."

The meeting adjourned at 4:25 p.m.

Respectively submitted,

G. R. Craddock
Secretary

PERSONAL MENTION

--W. C. Capel (Soc.) appeared on the program of the final seminar of a series on problems affecting aging and the elderly sponsored by the University of Georgia, and the U. S. Department of Health, Education and Welfare. He will continue to serve on the committee for curriculum construction, in the area of Gerontology.

--A. F. Newton (InEd) addressed the Kershaw County Education Association on November 17. His topic was "New Developments in Vocational Education."

--Herbert Brantley, (RPA) has been elected Editor of the South Carolina Recreation Society Quarterly Magazine.

INTER-OFFICE MAIL

At the present time, many people are incorrectly addressing inter-office mail. This not only slows mail delivery down, but it causes some pieces not to be delivered without first doing a lot of back-tracking to the original sender. Please make sure that you have the person's name, his department, room number, and building located on all inter-office mail. We would appreciate your co-operation on this matter as we wish to deliver all mail as quickly and accurately as possible.

BASKETBALL SAFETY PRECAUTIONS

To comply with University Fire and Safety Regulations, the Athletic Department announces that the following will apply for basketball games at the Field House.

1. Doors will be opened at 5:30 P.M. for all home games.
2. Admission for students, faculty-employees and general admission shall be on a first-come, first-served basis. There are no reserved seats. (Holding of seats for others not permitted.)
 - A. Students, student wives and student dates, with season passes, will enter the door at the Southeast corner. Students may purchase single game date tickets at this door.
 - B. Faculty and employees, with season passes, will enter the door at the Northeast corner. (The door used for admittance to concerts.)
 - C. Persons purchasing tickets are to enter through the center door in front of the Field House.
3. All persons must be seated and when capacity is reached, all three doors will be closed simultaneously.
4. In the interest of safety, children under 10 years of age will not be admitted unless accompanied by adults and must remain with adults during the game. They will not be allowed to sit on the first row.
5. Spectators are requested to refrain from smoking.

T. C. Hardin (ME) and W. C. Elrod (ME) attended the Winter Annual Meeting of the American Society of Mechanical Engineers, November 28-30 in New York City. Dr. Elrod presented a paper on "Boiling Heat Transfer Data at Low Heat Flux."

T. T. Yang (ME) and D. W. Lyons (TS/ME) attended a Regional Meeting of the American Astronautical Society at Huntsville, Ala. December 5-7. Hal Jones, (ME Graduate Student) presented a paper on "Optimization of a Ring Air-Foil in a Sub-sonic Diffuser."

J. A. Chisman (ME) presented a paper on "Computer Simulators" at a meeting of the American Institute of Industrial Engineers held at Nashville, Tennessee December 8.

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CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 10

January 15, 1967

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JAN 17 1967

CALENDAR: JANUARY 15-FEBRUARY 1, 1967

- Jan. 16-18 M-W RELIGIOUS EMPHASIS WEEK. Dr. George K. Schweitzer, chemistry professor at the University of Tennessee, scientist and religious leader, will conduct convocations at Tillman Hall Auditorium each evening at 7 o'clock. Activities will begin with a dinner at the Clemson House, January 16, at 5:30 p.m. Tickets are \$2.00 each for dinner and may be purchased from the YMCA, E. C. Watson, who is secretary for the Fellowship Club, and the churches. Following the nightly convocations, forums featuring outstanding religious leaders will be held. Public forums, with Dr. Schweitzer as forum leader, will be held each evening at the YMCA beginning at 8 o'clock. Forums in the dormitories will start at 8:15.
- Jan. 18 W Laicos Club, 8:15 p.m., Clemson House
- Jan. 18 W Newcomers Club, 8 p.m., Clemson House
- Jan. 19 Th Basketball--Furman at Clemson
- Jan. 21 Sat Graduate Record Examination
- Jan. 23 M The AATCC Student Chapter is sponsoring a lecture/demonstration by the Celanese Fibers Corporation in the Phi Psi Room, 7:00 p.m. The program will present theoretical and practical considerations of the dry and melt spin processes used in fiber manufacture. All interested students and faculty are cordially invited to attend.
- Jan. 23 M Forum Club, 7 p.m., Chemistry Bldg. Conference Room.
- Jan. 24 T Basketball--Georgia Tech at Clemson
- Jan. 25 W Dr. O. B. Hardison, Professor of English at the University of North Carolina, will talk on "Catharsis in Shakespeare" in E. 108 at 4:00 p.m. on January 25. A distinguished Renaissance scholar as well as a poet, Dr. Hardison was selected by Time magazine as one of the country's "ten great teachers."
- Jan. 26 Th W. Stanley Finch, Director of Public Relations, Textile Chemicals, Inc., Greenville, S. C. will speak at 2:00 p.m. in Sirrine Auditorium at the Industrial Management Seminar on "Obstacles to Creative Thinking."
- Jan. 26 Th Dr. Robert E. Bills, Dean, College of Education, University of Alabama, will give a public lecture in the Chemistry Auditorium at 8 p.m. on "Student Evaluation: Incitement or Improvement?"
- Jan. 26 Th Graduate Wives, 8 p.m. YMCA Club Room.
- Jan. 27 F Swimming meet--University of Maryland at Clemson, 4 p.m.
- Jan. 27-28 F-Sat Midwinter Dances, Dining Hall

CLEMSON UNIVERSITY COMPUTER CENTER ADVISORY COMMITTEE

The Executive Officers of Clemson University, with the approval of the President, have created a University Computer Center Advisory Committee. This committee will represent each of the four university areas: Academic, Business and Finance, Development, and Student Affairs. It will be the duty of this committee to advise the executive officers on matters of policy relating to the Computer Center.

Committee Function - This committee shall act only as an advisory group and will aid the administration in determining policy. In matters of budget, staff, expenditures, and day to day operations, the Director of the Center will remain directly responsible to the Dean of the University.

Composition of Committee - This committee shall be composed of six individuals as follows: (1) the Director of the Computer Center as chairman; (2) two representatives from Academic Affairs; (3) a representative from Business and Finance; (4) a representative from Development; and (5) a representative from Student Affairs. The Vice-Presidents in these areas will be responsible for appointing the individuals from their respective areas to serve on this committee. These committee members may, if it appears advisable, chair sub-committees in their areas of work.

Method of Operation - The committee should meet regularly, preferably at a certain time each month or more often if the need arises. Meetings should be called by the chairman. Recommendations that are to be made to the Administration should be forwarded from the committee chairman to the Dean of the University who will transmit such recommendations to the executive officers. Recommendations from the Administration to the committee will follow the same channels.

CHANGES IN SOCIAL SECURITY RATE FOR 1967

An increase of 1¢ on each \$5.00 of earnings became effective January 1, 1967, in the contributions by covered employees to Social Security. The new rate of 4.4% includes 0.5% for hospital insurance (Basic Medicare). This tax is applicable to all earnings up to \$6600. Any participant who works for two or more employers in 1967 and is taxed more than \$290.40 will be eligible to claim a refund of the excess when he files his Federal income tax return early in 1968.

(Contributions to the South Carolina Retirement System are made at 4% of gross earnings up to 4800 in each calendar year, plus 6% of any earnings over \$4800. The State of South Carolina, as the employer, contributes an additional 7.5% of the total.)

PLEASE CHECK YOUR 1967 SUMMER SESSIONS CATALOG FOR PAGING

Members of the faculty and staff who received an incorrectly bound copy of the 1967 Summer Sessions Catalog may procure a copy that is correctly bound by notifying Mrs. Mann, Extension 269, 28 Tillman Hall. The Summer Sessions Office would appreciate your returning the incorrect copy to 28 Tillman by inter-office mail so that it can be rebound for future use.

MINUTES OF THE FACULTY SENATE

December 6, 1966

The Faculty Senate met on December 6, 1966, at 4:15 p.m. in Olin Hall Auditorium with President J. T. Long presiding.

Dr. Long announced that at the November 25 meeting of the Board of Trustees the following committee was named to select recipients of honorary degrees: President R. C. Edwards, James F. Byrnes, Paul Quattlebaum, Jr., Winchester Smith, J. M. Stepp, A. T. Hind, and J. T. Long, secretary. The Board also approved the recommended names for buildings and streets on campus.

Dr. Long reported that resolutions passed at the last Senate meeting have been sent to Dean Victor Hurst but that no action has been taken on the proposals.

Dr. J. M. Stepp recommended that the first sentence of the third paragraph of the statement of the University's policy for awarding honorary degrees be changed to read: "A committee consisting of three members of the Board, to be appointed annually by the President of the Board at the fall meeting; the President of the Academic Faculty Senate and an additional member of the Faculty Senate appointed by him; the immediate past President of the Faculty Senate or, in case the immediate past President is not at Clemson, the most recent available past President of the Faculty Senate, and the President of the University will meet at the convenience of the committee to consider all nominations." The motion was passed unanimously.

Professor H. M. Felder introduced a motion asking that "Homecoming Day be designated an academic holiday in the University calendar." The motion was passed unanimously.

Following a report from Dr. J. D. Antrim, Senate representative on the University Parking and Traffic Control Committee, the Senate voted to have Dr. Antrim request the Traffic Committee to adopt a new policy on zone parking as soon as possible and to print a statement of the new policy on the back of the next campus parking zone map. A policy recommended was that "Zone parking is in effect from 7:30 a.m. to 3:30 p.m. weekdays and 7:30 a.m. to 11:00 a.m. on Saturdays. The exception is the parking area for library employees, which is restricted twenty-four hours a day." A motion was also passed to instruct the Senate's Parking Committee representative to oppose a proposal to ban all moving traffic on campus during certain specified times.

Dr. J. J. Porter, Senate representative on the Research Faculty Council, reported that the Council has voted to change the requirements for membership to include those who direct research.

Dr. J. B. Whitney reported that at the last meeting of the committee studying ways of improving undergraduate teaching a report was received from the sub-committee studying undergraduate instruction by graduate assistants.

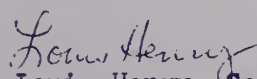
Dr. B. R. Skelton asked about the status of a proposal presented by Tiger Brotherhood for the establishment of an award to be presented to a distinguished undergraduate teacher. The Policy Committee is considering the proposal.

The meeting was adjourned at 5:05 p.m.

Respectfully submitted,

Absent:

T. L. Senn, J. K. Reed, J. E. Pinckney,
R. T. Reep, A. T. Hind, M. S. Steadman,
S. M. Lukawecki, Eugene Park, W. C. Bowen,
R. C. Harshman, R. F. Nowack


Louis Henry, Secretary

RESEARCH FACULTY COUNCIL MEETING

December 13, 1966

The monthly meeting of the Research Faculty Council was called to order at 4:10 P.M., 101 Physics Building by Chairman A. E. Schwartz.

The minutes of the November meeting were approved as circulated.

Dr. Fox, Chairman of the Policy Committee, submitted a proposal regarding a revision in the "Policy Governing Outside Work by Faculty Members". After considerable discussion and a few minor changes a final draft was prepared for administrative consideration.

Dr. Godley commented that the Special Meeting of the Research Faculty held on December 5 was not well attended.

Dr. Porter, liaison representative to the Senate, reported briefly on current Senate activities.

Dr. Fox reported that the University Library Committee had recently held two meetings.

The meeting adjourned at 5:20 P.M.

Respectfully submitted,

G. R. Craddock
Secretary

Absent:
M. B. Bishop
Tah-Teh Yang

MEDICAL SELF HELP TRAINING

Alpha Phi Omega will offer a 16 hour course in medical self help starting January 19 at 7:00 p.m. in the Civil Engineering Auditorium. Faculty members, students, and any other interested people are invited to attend. The purpose of this program is to help every family have someone competent enough to give emergency first aid. Slides, films, and booklets will aid in the study.

STATE EMPLOYEES' MEETING AT WALHALLA

The second meeting of the Tri-County Unit of the S. C. State Employees' Association is scheduled for 7:30 p.m. on Tuesday, January 24, 1967, in the Auditorium of the Oconee County Health Department in Walhalla. President R. E. Pettigrew, of Anderson, has arranged an informational program on the proposed Toxaway-Keowee project of the Duke Power Co. State employees in Pickens, Oconee, and Anderson Counties comprise the local Tri-County Unit. The first meeting was held in Pickens in October, and the March meeting will be in Anderson. Local directors of the Association are Dr. W. M. Epps, Mr. Nash Gray, and Dean Susan Delony.

IM-TS SCHOOL ANNOUNCES PROFESSIONAL DEVELOPMENT COURSES

The School of Industrial Management and Textile Science has just announced its 1967 summer program of professional development courses. The 1967 series will be the tenth for the school. To date, 863 industrialists have been enrolled in a professional development course.

Courses to be offered in 1967 are:

- MAY 8 THROUGH 12
P.D. 96 - Color Measurement Seminar
- MAY 15 THROUGH 19
P.D. 63 - Graduate Seminar In Export Trade and Finance
P.D. 79 - Graduate Seminar In Industrial Administration - Session 1
- MAY 15 THROUGH 26
P.D. 24 - Fiber Physics
P.D. 25 - Yarn Manufacturing
P.D. 41 - Methods Analysis and Time Study
P.D. 43 - Basic Textile Chemistry
P.D. 47 - Quality Control
P.D. 84 - Report Writing and Communications
- MAY 22 THROUGH 26
P.D. 79 - Graduate Seminar In Industrial Administration - Session 2
- JUNE 5 THROUGH 10
P.D. 22 - Introduction to Textile Manufacturing, Dyeing, and Finishing
- JUNE 5 THROUGH 16
P.D. 25 - Yarn Manufacturing (A repeat of May 15 through 26)
P.D. 38 - Supervisor Development
P.D. 41 - Methods Analysis and Time Study (Repeat of May 15 - 26)
P.D. 44 - Advanced Textile Chemistry
P.D. 56 - Weaving: Fabric Design and Development
- JULY 31 THROUGH AUGUST 4
P.D. 96 - Color Measurement Seminar (Repeat of May 8 - 12)

GRADUATE SCHOOL

Information on the following programs is available in the Graduate Office:

Overseas lecturing appointments under the Fulbright-Hays Act
Grants for Advanced Research in Foreign Countries
SEATO Research Fellowships

The next deadline for project grant proposals to the National Foundation on the Arts and the Humanities will be in the early Autumn of 1967. Information about these programs may be obtained from the Graduate School Office.

DUPONT COMPANY RESEARCH GRANTS

The DuPont Company has recently announced awards of research grants to departments of chemistry, chemical engineering, and mechanical engineering in institutions throughout the country. Grants were made to each of these three departments at Clemson by the DuPont Company.

GIFTS AND GRANTS

- From the Tennessee Corp., \$500 to Agronomy for micro-nutrient research.
- From the C. F. Sauer Co., \$2,000 to Food Science and Biochemistry for a study to control microbial spoilage in salad dressing products.
- The School of Industrial Management and Textile Science has received \$4,010 from friends and J. P. Stevens Company in honor of Mr. Jesse White, Clemson class of 1924. On December 14 an appropriate plaque to commemorate Mr. White was hung in the Sirrine Library. The gift will be used for purchasing selected volumes for this library.

PERSONAL MENTION

- J. F. Andrews (ESE) has been elected to the Board of Directors of the American Association of Professors of Sanitary Engineering. He attended the meeting of the Board with Stewart L. Udall, Secretary of the Interior, in Washington on December 2nd. The topic of the meeting was "Cooperation between the Universities and the Department of the Interior on Water Pollution Problems."
- Cyril O. Shuler (IM-TS) has been appointed to the Governor's Statewide Vocational Rehabilitation Planning Program and will serve as chairman of the Steering Group for the Task Force on Social Security Benefit recipients.
- Ronald J. Knapp, (SocSci) has been awarded a National Science Faculty Fellowship Award. This award is for a 12 month period at Ohio State University.
- Bruce D. Cloaninger, (FertZAnal) appeared on the program of the National Association of State Departments of Agriculture at their convention in Honolulu, Hawaii, on November 16. He gave a talk on the "Fertilizer Report System in South Carolina."
- B. J. Todd (IM) will serve on a National Science Foundation panel on February 23 and 24, 1967. The panel is to evaluate proposals submitted to the Instructional Scientific Equipment Program for improving undergraduate education in science.
- N. R. Page, Ag. Chemical Services, gave an invitational paper entitled "Micronutrient Needs in the United States and Sources for Solutions and Suspension Fertilizers" at the meeting of the National Fertilizer Solution Association in Miami Beach, Florida, December 5-8, 1966.
- L. C. Wilcox (EE) has had a research contract approved with the Belton Company, Belton, South Carolina. The total value of this contract is \$3,940.
- W. B. Barlage (ChE) lectured to the Western North Carolina Section of the American Institute of Chemical Engineers on Non-Newtonian Fluids.
- W. E. Castro (EngrMech) has been notified that his paper "Effect of Polymer Additives on Transition in Pipe Flow" has been accepted for publication in Applied Scientific Research. It will appear in one of the Spring issues.

PERSONAL MENTION Continued

--Dr. J. F. Andrews (ESE) has been elected to the Board of Directors of the American Association of Professors of Sanitary Engineering. He attended the meeting of the Board with Stewart L. Udall, Secretary of the Interior, in Washington Dec. 2. The topic of the meeting was Cooperation between the Universities and the Department of the Interior on Water Pollution Problems.

--(Engr. Mech) The following two papers have been accepted for publication by the Journal of Applied Mechanics, ASME.

1) J. G. Goree and H. B. Wilson, Jr., "Axisymmetric Torsional Stresses in a Solid Containing Two Partially Bonded Rigid Spherical Inclusions."

2) J. G. Goree and H. B. Wilson, Jr., "Transverse Shear Loading in an Elastic Matrix Containing Two Elastic Circular Cylindrical Inclusions."

The first of the above papers will be presented at the ASME Summer Meeting to be held at California Institute of Technology, Pasadena, California, June 26-28, 1967, By Dr. J. G. Goree. The second paper will be published as a "brief note" without presentation at a conference. Dr. H. B. Wilson, Jr. is a professor of Engineering and Mathematics at the University of Alabama, Tuscaloosa, Alabama.

ATTENTION CLEMSON ALUMNI

There will be an important meeting of Clemson alumni of the Clemson, Central, Pendleton, Six Mile area -- The Fort Hill Clemson Club -- on January 25. The session will get underway at 8:00 p.m. in the Civil Engineering Auditorium (located in the Engineering-Architecture Complex).

Speakers will be President Robert C. Edwards and Director of Alumni Relations Joe Sherman. Tickets will be available at this meeting for the Clemson Week Around the World celebration at the Clemson House on April 4 -- a special occasion for Clemson alumni and their wives that will feature an outstanding nationally known speaker.

OPEN LETTER TO CLEMSON ALUMNI OF THE UNIVERSITY COMMUNITY

I wish I could say hello and Happy New Year to all of you personally and I hope I will have an opportunity to meet many of you during my year as President of the Alumni Association. When I took office on January 1st, another year for the Clemson Alumni Loyalty Fund also began. As you know, this fund has provided over a million dollars for Clemson educational programs over the past 11 years and for the past 7 years, has topped the annual figure of one hundred thousand dollars.

The Alumni Loyalty Fund serves Clemson in important programs for which no other funds are available. The fund is the media through which all Clemson Alumni have the opportunity to be of tangible service to their Alma Mater as an educational institution. It helps provide that margin of excellence beyond the limitations of state appropriations and government grants.

It is gratifying to see the number of Clemson Alumni in the immediate university community who invest in the fund but I am a bit discouraged that every alumnus at Clemson does not support this program that is dedicated, actually, to their own professional and personal well being. I sincerely urge every alumnus in the Clemson community to become an active participant in the Alumni Loyalty Fund this year and if you feel you cannot support this fund and your Alumni Association, please let me know wherein lies your disagreement with our program so that together we can build a bigger and better future for our university.

To the non-Alumni members of the Clemson staff, we invite you to join us in investing in Clemson's future through the Alumni Fund as Associate Members. In this way together, we can help make Clemson as fine an institution as I know we all want it to be.

Your investment in the amount of your choosing should be mailed to the Clemson Alumni Association, Clemson, S. C. and any comments you have about our program, I would appreciate receiving at P. O. Box 145, Charleston, S. C.

Yours for CLEMSON,

Thomas E. Thornhill '48
National President,
Clemson Alumni Association



CLEMSON

NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 11

February 1, 1967

LEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

CALENDAR: FEBRUARY 1-FEBRUARY 15, 1967

FEB 16 1967

Feb. 1	W	Laicos Club, Clemson House, 8:15 p.m.
Feb. 1	W	Newcomers Club, Clemson House, 8 p.m.
Feb. 2	Th	Woman's Club will meet at 3:30 p.m., Clemson House. Mrs. Paul Kincaid will do Japanese Flower Arrangements.
Feb. 2-28		Architecture Exhibit--Art without Artist, Lee Gallery.
Feb. 2	Th	Swimming meet--University of Georgia--Clemson, 4 p.m.
Feb. 2	Th	Dr. Scott Pyron of Furman University will speak at 4 p.m. in Brackett Hall 131 on "Calicenes."
Feb. 4	Sat	Swimming meet--University of Alabama--Clemson, 3 p.m.
Feb. 4	Sat	Basketball game--N. C. State at Clemson
Feb. 7	T	Swimming meet--Davidson--Clemson, 4 p.m.
Feb. 7	T	Sage Club will meet at the Clemson House at 6:30 p.m. Dr. Andrew F. Sobczyk will talk on the subject, "Mathematical Research in Europe and the United States."
Feb. 8	W	Concert--"The Boy Friend," Field House, 8 p.m.
Feb. 9	Th	Graduate Wives, YMCA Club Room, 8 p.m.
Feb. 9	Th	Dr. Lowell H. Hall of Florida Atlantic University will speak at 4 p.m. in Brackett 131 on "The Crystal and Molecular Structure of N-(ferrocenylmethyl) formamide."
Feb. 9-11		Clemson Players, "Hamlet", Food Industries Auditorium.
Feb. 10	F	Swimming meet--Wake Forest--Clemson, 4 p.m.
Feb. 11	Sat	Swimming meet--Duke University--Clemson, 3 p.m.
Feb. 11	Sat	Basketball--Wake Forest at Clemson.
Feb. 13	M	Forum Club, 7 p.m., Chem. Bldg. Conf. Room.
Feb. 13	M	Swimming meet--University of S. C.--Clemson, 4 p.m.
Feb. 14-March 21		Continuing Education Classes, Tuesdays at 7 p.m.
Feb. 15	W	Laicos Club, Clemson House, 8:15 p.m.
Feb. 15	W	Newcomers Club, Clemson House, 8 p.m.

CALENDAR, continued

Feb. 16	Th	Swimming meet--West Georgia--Clemson, 4 p.m.
Feb. 16-Feb. 18		Little Theater--"Never Too Late."
Feb. 23	Th	Dr. James D. Dutcher of the Squibb Institute for Medical Research will speak at 4 p.m. in Brackett 131 on "Polyenic Antifungal Antibiotics."
Feb. 23	Th	The Bishop's Players will present Karl Wittlinger's "Do You Know the Milky Way?" at 8 p.m. in Tillman Hall. This dramatic group is being brought to Clemson by the Clemson Methodist Church. The play has been translated into 9 languages, and has had more than 9,000 performances. The Bishop's Company is an American Repertory Player group which usually presents plays in churches. The play takes approximately 80 minutes.

DR. WALDRON M. MCLELLON JOINS AGRICULTURAL ENGINEERING DEPARTMENT

Dr. Waldron M. McLellon, a former Navy captain from Portsmouth, Va., has joined the Clemson University faculty as an associate professor in the agricultural engineering department.

Dr. McLellon's main areas of teaching will be in the interdisciplinary courses of environmental and radiological health at the graduate level. He will also instruct courses in sanitary engineering.

In addition to his teaching responsibilities, Dr. McLellon will conduct research in environmental engineering.

Dr. McLellon earned undergraduate degrees at the U. S. Naval Academy and at Rensselaer Polytechnic Institute; a master of Science degree in physics at Ohio State University; master's degrees in civil engineering and environmental engineering and doctorate at Rensselaer.

While serving in the Navy with the Civil Engineer Corps, he spent several years with an Armed Forces Special Weapons Project investigating nuclear weapons effects.

Xth INTERNATIONAL CONGRESS OF LINGUISTS IN BUCHAREST, RUMANIA

The University of South Carolina Press has been invited to participate in the Xth International Congress of Linguists to be held in Bucharest, Rumania, from August 28 to September 2, 1967.

The Press will exhibit six books at the Congress, following which, all publications from participating houses, will be distributed to the Academy or university libraries of Rumania.

South Carolina books will include the following:

Baudelaire at la Critique Francaise, 1868-1917, by Alfred Edward Carter;
Image and Symbol in the Sacred Poetry of Richard Crashaw, by George Walton Williams;
The Mirrour of Mirth and Pleasant Coaceita, Bonaventure des Periers, edited by
J. Woodrow Hassell; Poems (Poems and Fables), by Ennis Rees; The Verse of Floride
Clemson, edited by Harriet R. Holman; The Catawba Indians: The People of the
River, by Douglas Summers Brown.

SOUTH CAROLINA BRANCH OF THE AMERICAN SOCIETY FOR MICROBIOLOGY IS ORGANIZED

A meeting was called on December 10, 1966 for the purpose of organizing a South Carolina branch of the American Society for Microbiology. The parent organization includes approximately 8,000 members from educational institutions, public health departments, and research groups associated with industry mostly in North America, however, many members from foreign countries also hold memberships in the association.

Attending the meeting were approximately 30 microbiologists representing the universities and colleges of the State as well as public health laboratories and hospitals. This group will meet twice a year offering an opportunity for an exchange of research results among professional microbiologists and graduate students in the field.

Clemson University was represented by: J. M. Rush, William Dowler, J. F. Stephens, J. H. Bond, J. F. Andrews, M. J. B. Painter and J. J. Janzen of the faculty and research staff, and graduate students, Furman Cantrell and Edward Anderson.

Dr. J. F. Stephens was elected president of the newly formed organization for the coming year.

ALGERNON SYDNEY SULLIVAN AWARD

The Honors and Awards Committee invites all faculty and staff members to submit nominations for the non-student recipient of this year's Sullivan Award, which will be made on Honors and Awards Day, April 5, 1967. The award is described on page 78 of the 1965-1966 University catalog.

The nominations should be made by March 1 and sent directly to Dr. C. B. Green, 28 Tillman Hall.

Non-student recipients of the Sullivan Award for the past ten years have been:

1957	S. J. L. Crouch
1958	A. B. Bryan
1959	Helen Coker
1960	C. C. Bennett
1961	J. D. Lane
1962	B. E. Goodale
1963	R. M. Cooper
1964	F. J. Jervey
1965	C. A. Arrington
1966	Virginia E. Shanklin

Research Faculty Council Meeting

January 17, 1967

The monthly meeting of the Research Faculty Council was called to order at 4:10 p.m., 101 Physics Building by Vice-Chairman W. V. Chalupa.

The minutes of the December meeting were approved as circulated.

Items presented for information were as follows:

1. The Policy Statement for conflict of interest has been submitted to the Faculty Senate as information and suggestions.
2. Additional Arts and Sciences representatives could be elected to the Research Council as soon as the Educational Council gives approval to the proposed change in the By-Laws.
3. Dr. Schwartz would attend the Alumni Council Meeting in Columbia on January 18.
4. Dr. Bishop announced that Dr. H. H. Macaulay was elected as the Arts and Sciences Council representative to fill the unexpired term of Dr. John Miller.

The Policy Committee was asked to assemble information concerning leave policy for 12 month and 9 month employees with summertime employment and for graduate research assistants.

The meeting adjourned at 4:40 p.m.

Respectfully submitted,

G. R. Craddock, Secretary

GRC/lm

Absent:

A. E. Schwartz
Tah-Teh Yang

GIFTS AND GRANTS

--The Graduate School has been awarded three new NASA Traineeships for the academic year beginning in August, 1967.

--From the South Carolina Highway Department and U. S. Bureau of Public Roads; a two-year contract for \$43,870 to John D. Antrim and Arnold E. Schwartz (CE) to study high accident road locations and intersections in a four-county Piedmont area to determine the degree to which engineering design features affect accident rates.

PERSONAL MENTION

--H. F. Landrith (Educ) discussed "Professional Training and Development Through Additional Study" at the South Carolina Association of Secondary School Principals convention at Hilton Head.

--J. T. Long (EE) and J. B. Cox, Graduate Assistant (EE), have received a research contract from the Belton Company to determine the presence of faults in rapidly moving heating wire as it is manufactured.

--L. C. Wilcox (EE) participated in a panel discussion on "Trends in Engineering Education" at the S. C. Section Convention of IEEE, in November. He also presented a paper entitled, "Systems Analysis in Bioengineering."

--J. C. Martin (EE) presented a paper entitled, "Uses of Stellar References in Space Navigation" at the S. C. Section Convention of IEEE in November.

--J. T. Long (EE) was elected chairman of the Piedmont Subsection of the Institute of Electrical and Electronics Engineers for 1967 and J. B. Cox (EE) was elected Vice-Chairman of the Piedmont Subsection at the December meeting.

--L. C. Wilcox (EE) presented a discussion paper on "Retraining of Biologists as Bioengineers" at the Fourth Bioengineering Symposium in October, held at Rose Polytechnic Institute.

--Dr. Virginia S. Hardie (Counseling) presented a research study, "A Two-Year Study of Vocational Counseling at Clemson University", at the Southern College Personnel Association in New Orleans in November 1966. This study has now been included in the speech library maintained by the College Student Personnel Institute in Claremont, California, and an abstract of the study will be published in College Student Personnel Abstracts.

--J. W. Huffman (Chem) has received a grant of \$1,500 from Merck and Co., Inc., for undesignated research.

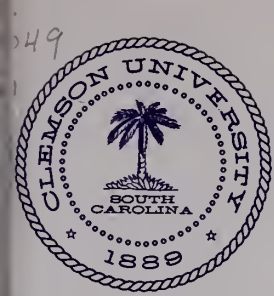
--D. W. Lyons (TS/ME) presented a paper entitled "Applications of Microwave Heating to Drying Processes" at a meeting of the American Society of Mechanical Engineers, Greenville, January 6, 1967.

--Ann Rogers (Agric.) Rural Civil Defense Specialist, participated in a workshop for training Rural Civil Defense Leaders at the 4-H Center, Washington, D. C. on January 15-21.

--J. P. Rostron (CE), president of the South Carolina Society of Engineers, presided at the joint meeting of that organization and the South Carolina Section of the American Society of Civil Engineers in Columbia on January 13. J. H. Moore (CE) was elected president of the Northwest Branch of the South Carolina Section of ASCE. Others attending this annual meeting were I. A. Trively (CE), J. D. Antrim (CE), A. G. Law (EM), and W. L. Meigs (Physical Plant). H. E. ("Pon") Glenn, (CE-retired) was honored at the meeting by being selected as a Life Member of ASCE.

--J. D. Antrim, W. A. Welsh, A. E. Schwartz, H. W. Busching, J. P. Rostron, and J. H. Moore (CE) attended the Highway Research Board Annual Meeting January 16-19 in Washington. Dr. Antrim presented a paper titled, "The Mechanism of Fatigue in Cement Paste and Plain Concrete." Dr. Moore chaired a session of a sub-committee of ACI Committee 325 devoted to preparing for publication a design procedure for continuously reinforced concrete pavements.

--H. J. Keegan (IM-TS) chaired the first session of the Color Measurement Division of the Palmetto Section of A.A.T.C.C. in Greenville, S. C. on January 13, 1967.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 12

February 15, 1967

MSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

CALENDAR: FEBRUARY 15 - FEBRUARY 28, 1967

FEB 16 1967

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|------------|--------|---|
| Feb. 13-17 | | Technical Seminar - "Water Pollution Control for Chemical Wastes" - College of Engineering. |
| Feb. 14 | T | Continuing Education Classes, 7 P.M. |
| Feb. 15 | W | Laicos Club, Clemson House, 8:15 P.M. |
| Feb. 15 | W | Newcomers Club, Clemson House, 8 P.M. |
| Feb. 16 | Th | Seminar by Dr. C. F. Zorowski, Associate Head and Professor of Mechanical Engineering and Aerospace Engineering at N. C. State University in Raleigh, N. C., will lecture on "Applied Mechanics Research in the Rolling of Metal Sheet and Strip," 4 P.M. - CE Aud. |
| Feb. 16 | Th | Swimming Meet - West Georgia - Clemson, 4 P.M. |
| Feb. 16-18 | | Little Theater - "Never Too Late" - Food Industries Aud. - 8:15 p.m. |
| Feb. 17-18 | F-Sat | Basketball - North South Classic at Charlotte, N. C. |
| Feb. 20 | M | THE REVENGE OF DON MENDO (Spanish) (La venganza de Don Mendo)
A lively, colorful and funny parody of romantic drama. Civil Engineering Auditorium at 7 and 9 P.M. |
| Feb. 20 | M | Preliminary reports due |
| Feb. 21 | T | Fellowship Club, 6:30 P.M. - Clemson House |
| Feb. 21 | T | Continuing Education classes, 7 P.M. |
| Feb. 23 | Th | Dr. James D. Dutcher of the Squibb Institute for Medical Research will speak at 4 P.M. in Brackett 131 on "Polyenic Antifungal Antibiotics" |
| Feb. 23 | Th | The Bishop's Players will present Karl Wittlinger's "Do You Know the Milky Way?" at 8 P.M. in Tillman Hall. This dramatic group is being brought to Clemson by the Clemson Methodist Church. The play has been translated into 9 languages, and has had more than 9,000 performances. The Bishop's Company is an American Repertory Player group which usually presents plays in churches. The play takes approximately 80 minutes. |
| Feb. 23-25 | Th-Sat | "Night Must Fall", Clemson Players - Food Industries Aud., 8:00 P.M. |

Feb. 23-25		Swimming - ACC Meet at Columbia
Feb. 25	Sat	Basketball - Maryland at Clemson. Freshman team plays Chemstrand
Feb. 25	Sat	SCMEA Choral Clinic, 2 P.M. - 3 P.M. - Tillman Hall
Feb. 27	M	Forum Club, 7 P.M. - Chemistry Bldg. Conference Room
Feb. 27	M	Basketball - University of Virginia at Clemson. Freshman team plays Georgia
Feb. 27	M	Graduate Wives - YMCA at 8:30 P.M.
Feb. 28	T	Continuing Education Classes, 7 P.M.
Feb. 28	T	Dr. J. M. Pattenhagen, Professor of Chemistry, Kenyon College, and visiting Professor of Environmental Systems Engineering will present a seminar at 4 P.M. in the Civil Engineering Auditorium. His subject will be "Concepts of Coordination Chemistry."

LEARNING CORPORATION FORMED

Westinghouse Electric Corp. has announced the formation of the Westinghouse Learning Corp., "a new subsidiary with broad-based activities in the field of education." Westinghouse President Donald C. Burnham said Donald H. McGannon, president and chairman of Westinghouse Broadcasting Co., was elected chairman of the new company and will assume its executive direction and administrative control.

McGannon said the new company "will engage in a broad, far-ranging activity encompassing the training of government personnel, as well as business and industrial employees. A longer-range but significant effort will be directed toward elementary and secondary schools and the colleges and universities of the country. Underlying the entire project will be a meaningful research program to determine how people can learn faster."

He said Westinghouse's educational activities currently include the production of educational radio and television programming, Peace Corps and Job Corps training, and an experimental activity in learning programs and computer-based teaching systems in conjunction with the University of Pittsburgh. "In its Behavioral Technology Department," he said, "the company has been conducting intensive research in the learning process. Working with young children, certain conclusions have begun to emerge as to how the learning process can be improved through the application of basic behavioral psychology techniques."

The new company will be headquartered in New York with additional training, research and service operations maintained at Pittsburgh, Albuquerque, Washington, D. C., and San Francisco.

DR. RINGOLD PUBLISHES BOOK

The University of Georgia Press has published The Role of the State Legislatures in the Confederacy by May Spencer Ringold, Associate Professor of History in the Department of Social Sciences. Professor Ringold is currently preparing for publication an edition of the letters of the Gourdins, and important nineteenth century Charleston family.

MR. MARVIN O. KEITH JOINS THE DEPARTMENT OF RECREATION AND PARK ADMINISTRATION

Mr. Marvin O. Keith joined the Department of Recreation and Park Administration on January 1, 1967. Mr. Keith was formerly employed by the city of High Point, North Carolina, as the Assistant Director of Parks and Recreation. Since 1964 he has served as a consultant to the Joseph P. Kennedy, Jr. Foundation. He received an M. S. degree from the University of North Carolina in 1961 with a major in Recreation Administration.

COMPUTER CENTER SUB-COMMITTEE FORMED

A Computer Center Sub-Committee for Teaching and Research has been formed by the office of the Dean of the University. Its responsibility is to appraise the needs and problems for the computing services in teaching and research. This committee will report to the University Computer Center Committee.

Agriculture & Biological Sciences	W. P. Byrd, Chairman
Architecture	A. J. Kaufmann
Arts and Sciences	W. E. Gettys
Education	A. K. Jensen
Engineering L. C.	L. C. Wilcox
Industrial Management & Textile Sc. D	D. W. Lyons

S. C. STATE EMPLOYEES' ASSOCIATION ANNUAL BARBECUE

The South Carolina State Employees' Association Board of Directors Annual Barbecue honoring the General Assembly will be held at the Columbia National Guard Armory, Bluff Road, beyond the Carolina Stadium on Wednesday, February 15, 1967. The dinner will be from 6:30 to 8:30 followed by dancing from 9:00 to 12:00. Admission \$2.00 per person.

Tickets are available through February 10 from Nash Gray at the Y. M. C. A. and W. M. Epps, Department of Botany. All members of the State Employees' Association are invited.

FORT HILL CLEMSON CLUB LADIES' NIGHT

The Fort Hill Clemson Club has announced a special Ladies Night banquet for Clemson alumni of the Clemson-Central-Pendleton-Six Mile area, Tuesday evening, April 4. President Bob Newton and other officers of the local club have tickets available for \$5.00 each, and they may also be purchased by mail from the Alumni Office. The occasion will begin at Clemson House with a social hour at 7:00, followed by dinner at 8:00. Mr. Harlee Branch, Jr., nationally outstanding businessman and President of the Southern Company will be the speaker.

MINUTES OF THE FACULTY SENATE

January 10, 1967

The Faculty Senate met at 4:15 p.m. on January 10, 1967, in Olin Hall Auditorium with Dr. J. T. Long presiding.

Dr. Long announced that the Educational Council has approved a resolution concerning excuses from the Student Health Service. He also read a notice from the International Association of University Professors and Lecturers requesting donations for the University of Florence.

Dr. A. T. Hind reported on three items of business from the Policy Committee. Acting on the recommendations of the Policy Committee, the Senate passed motions rejecting proposals that a formal program be established for student evaluation of curricula and that a formal method be set for students to petition for new course offerings. Following lengthy discussion, the Senate voted to "thank Tiger Brotherhood for its proposal for recognizing a distinguished undergraduate teacher and to suggest that the plan is workable and should be approved."

Dr. Henry Vogel, chairman of an ad hoc committee to consider representation in the Senate for two-year off-campus branches, reported on three possibilities: 1) to allow branches to elect a faculty member to the Senate who would attend Senate meetings, 2) to let faculty at the two branches be represented by members of corresponding departments at Clemson, 3) to have the branches form their own senates. After these and other proposals were considered, the Senate passed the following motion: "Whereas Clemson already has separate faculty units, the Faculty Senate recommends that off-campus groups be treated as separate faculties, to organize as they wish, with the Faculty Senate being glad to establish liaison with such organizations."

Dr. Long reported that, though the proposal that Homecoming Day be a holiday has not been acted on finally, the recommendation has been approved in principle.

Dr. J. D. Antrim reported that the University Parking and Traffic Control Committee has approved the following Senate-proposed policy on zone parking: "Zone parking is in effect from 7:30 a.m. to 3:30 p.m. weekdays and from 7:30 a.m. to 11:00 a.m. on Saturdays. The exception is the parking area for library employees, which is restricted twenty-four hours a day."

The meeting was adjourned at 5:20 p.m.


Louis Henry
Secretary

Absent:

H. G. Spencer

A. F. Newton

H. G. Lefort

D. W. Bradbury

GRANTS AND GIFTS

---The Poultry Science Department has received \$500 for a scholarship to be awarded to a Poultry Science major. The money was made available by Wallace Hatcheries, Inc., of St. Petersburg, Florida. Charles Cook, Vice-President of Tar Heel Chicks, Inc., of Charlotte, N. C., a branch firm, presented the gift to Dr. B. D. Barnett, Head of the Poultry Science Department.

---George B. Savitsky (Chem) has been awarded a two-year grant of \$31,300 by the National Science Foundation for research on "The Analysis of Complex PMR Spectra."

PERSONAL MENTION

---L. E. Hill (Econ) has published "The Economics of the Right-to-Work Controversy: A Comment," in the Southern Economic Journal (Jan. 1967).

---U. S. Jones and C. E. Bardsley (Agron) presented a paper on the Phosphorous Nutrition of Cotton at a symposium on cotton in Dallas on December 6, 1966. The proceedings will be published and will constitute an authoritative text on all aspects of cotton physiology, production, marketing and processing.

---H. D. Adams (Hist) has published "A Note on Jefferson's Knowledge of Economics." in Virginia Magazine of History and Biography (January, 1967).

---William B. Herlinger (Mod. Lang.) recently addressed a convocation of officials for fifteen Latin American republics gathered in Mexico City to discuss the state of the "Alliance for Progress." The seminar was jointly sponsored by the United States Department of State and the Forum for International Studies of the University of Mexico.

---Everett Laitala (IE) participated in a two-day Industrial Engineering Seminar sponsored by the Western Electric Company and held at Winston Salem, North Carolina, January 24-25, 1967.

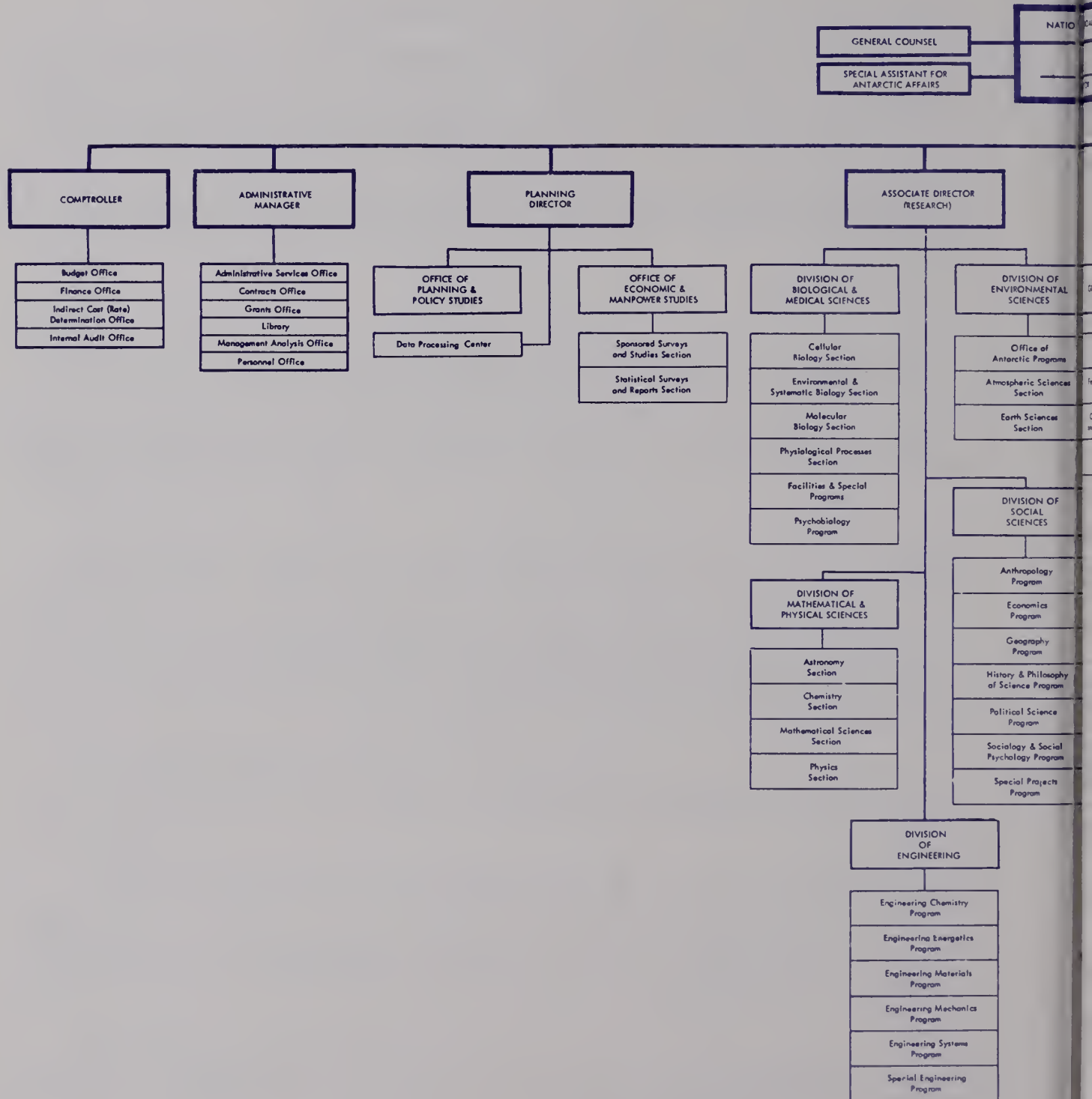
---D. F. Bruley (ChE) was a guest lecturer on "Mathematical Modeling and Simulation in Biomedical Engineering Research" at the Walter Reed Army Institute of Research on January 23, 1967.

---J. P. Fulmer (Hort) served as a member of the Executive Committee of the Southern Section, American Society for Horticultural Science at their annual meeting in New Orleans.

---J. P. Fulmer (Hort) presented a talk entitled "Chemical Weed Control In Retail and Wholesale Nurseries" at the Georgia State Nurserymen's Association held at the University of Georgia Center for Continuing Education, January 26. and 27.

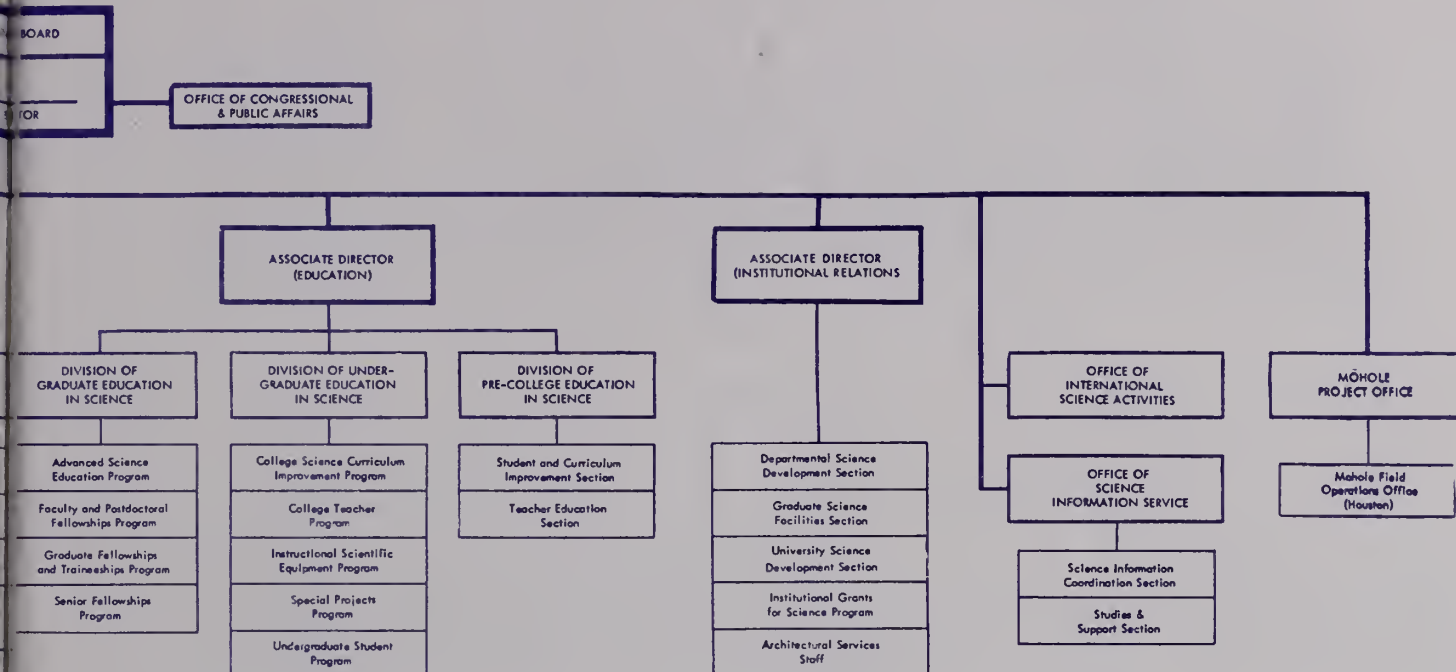
NATIONAL SCIENCE

ORGANIZATION



THE FOUNDATION

ATION



NATIONAL SCIENCE FOUNDATION
Washington, D. C. 20550

PROGRAMS	WHERE TO WRITE FOR FURTHER INFORMATION	PROGRAMS	WHERE TO WRITE FOR FURTHER INFORMATION
Basic research project grants	Division of Biological and Medical Sciences, Division of Engineering, Division of Environmental Sciences, Division of Mathematical and Physical Sciences, or Division of Social Sciences	Undergraduate science curriculum improvement	Division of Undergraduate Education in Science
Engineering research initiation	Division of Engineering	Special Projects in undergraduate science education	Division of Undergraduate Education in Science
Doctoral dissertation research in the social sciences	Division of Social Sciences	Summer Institute for college teachers	College Teacher Programs, Division of Undergraduate Education in Science
U. S. Antarctic research	Division of Environmental Sciences	Academic year institutes for college teachers	College Teacher Programs, Division of Undergraduate Education in Science
Weather modification research	Division of Environmental Sciences	In-service seminars for college teachers	College Teacher Programs, Division of Undergraduate Education in Science
U. S.-Japan cooperative research program	Office of International Science Activities	Short courses for college teachers	College Teacher Programs, Division of Undergraduate Education in Science
Scientific conference grants	(Appropriate research division, see first item above, or Office of Science Information Service)	Research participation for college teachers	College Teacher Programs, Division of Undergraduate Education in Science
Specialized research facilities and equipment	(Appropriate research division, see first item above)	Summer institutes and conferences for secondary school teachers	Teacher Education Section, Division of Pre-College Education in Science
Academic computational facilities and operations	Mathematical sciences section, Division of Mathematical and Physical Sciences	Academic year institutes for secondary school teachers	Teacher Education Section, Division of Pre-College Education in Science
Graduate science facilities	Associate Director (Institutional Relations)	In-service institutes for secondary school teachers	Teacher Education Section, Division of Pre-College Education in Science
Sea Grant colleges	Associate Director (Research)	Research participation for high school teachers	Teacher Education Section, Division of Pre-College Education in Science
Institutional grants for science	Associate Director (Institutional Relations)	Special projects in pre-college teacher education	Teacher Education Section, Division of Pre-College Education in Science
University science development program	Associate Director (Institutional Relations)	Science training for high-ability secondary school students	Student and Curriculum Improvement Section, Division of Pre-College Education in Science
Departmental science development program	Associate Director (Institutional Relations)	Special projects for pre-college students	Student and Curriculum Improvement Section, Division of Pre-College Education in Science
Special projects in graduate education	Advanced Science Education Program, Division of Graduate Education in Science	Cooperative college-school science program for school system improvement	Student and Curriculum Improvement Section, Division of Pre-College Education in Science
Graduate fellowships	Division of Graduate Education in Science	Pre-college course content	Student and Curriculum Improvement Section, Division of Pre-College Education in Science
Graduate traineeships	Division of Graduate Education in Science	Special projects in pre-college science education	Special Projects in Pre-College Science Education, Division of Pre-College Education in Science
Summer traineeships for graduate teaching assistants	Division of Graduate Education in Science	Science information research and development projects	Office of Science Information Service
Advanced science seminars	Advanced Science Education Program, Division of Graduate Education in Science	Scientific publications	Office of Science Information Service
Public Understanding of Science projects	Advanced Science Education Program, Division of Graduate Education in Science		
College Science Improvement Program	Division of Undergraduate Education in Science		
Undergraduate research participation	Division of Undergraduate Education in Science		
Undergraduate instructional scientific equipment	Division of Undergraduate Education in Science		

FINANCIAL REPORT - 1966 CLEMSON ALUMNI LOYALTY FUND

In 1966 the Clemson Alumni Loyalty Fund enjoyed its highest income ever --- \$131,775.39 ---on the basis of recurring annual giving. Two former years showed higher total income figures --- \$151,035.00 in 1962 and \$217,313.98 in 1965 --- but the total of each of those years included a large one-time gift (one of \$30,000 in 1962 and one of \$104,000 in 1965). A new high was also reached in 1966 in number of donors --- 4,200 --- and the average annual gift --- \$31.38 --- was the second highest in the 11-year history of the Alumni Loyalty Fund.

1966 CLEMSON ALUMNI LOYALTY FUND INCOME

UNRESTRICTED

GIFTS FROM ALUMNI

Alumni Annual Giving	\$101,029.66
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GIFTS FROM NON-ALUMNI

Annual Giving (Assoc. Mem.)	\$	841.17	
Company Matching Gifts		5,751.01	
Company/Corp Gifts		2,000.00	
Memorial Gifts		283.50	
Misc. Income (not gifts)		613.50	9,489.18
UNRESTRICTED TOTAL			\$110,518.84

RESTRICTED

GIFTS FROM ALUMNI

Scholarship Funds	13,191.92	
Permanent Endowment	2,178.50	
Library Funds	1,855.38	
Loan Funds	1,850.00	
YMCA	965.75	
Student Organizations	25.00	20,066.55

COMPANY MATCHING GIFTS

Library Funds	145.00	
Scholarship Funds	50.00	
YMCA	50.00	245.00

GIFTS FROM NON-ALUMNI

Scholarship Funds	480.00	
Library Funds	115.00	
Loan Funds	200.00	
YMCA	50.00	845.00

COMPANY MATCHING GIFTS

Library Funds	100.00	100.00
RESTRICTED TOTAL		21,256.55

GRAND TOTAL	\$131,775.39
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EDUCATIONAL GRANTS FROM 1966 ALUMNI LOYALTY FUND

After considering recommendations from the University Administration and the National Council of the Alumni Association, the Trustees of the Clemson Foundation made the grants listed below from the unrestricted income of the 1966 Clemson Alumni Loyalty Fund. These grants will be available for use in the University's 1966-67 fiscal year.

R. F. Poole Scholarships	\$12,400.00
Graduate School	10,000.00
University Contingency	10,500.00
Alumni Professorships	7,500.00
Student Organizations	6,000.00
Alumni Memorial Scholarships	2,400.00
Faculty Research & Development	2,000.00
The Alumni News	13,552.49
Permanent Endowment	<u>16,873.73</u>
	\$81,226.22

ELEVEN YEAR ALUMNI LOYALTY FUND RECAP

The following page is an eleven-year financial history of the Clemson Alumni Loyalty Fund since the reorganization of the Alumni Office on January 1, 1956. It accounts for the total income of the Loyalty Fund over that period and sets forth exactly how these funds have been used to further the University's educational programs.

One point of clarity needs to be made. Basically, the Alumni Loyalty Fund is an annual giving program and as such functions as a living endowment program. In summary tables are included a few one-time, non-recurring gifts (such as bequests). Only twice have such gifts been of sufficient size to materially affect the annual giving factor. One was a \$30,375 scholarship gift in 1962; the other a \$103,956.75 bequest in 1965.

1956-66 SUMMARY REPORT ALUMNI LOYALTY FUND
(The Eleven Years Since Reorganization of the Alumni Office)

YEAR	DONORS	TOTAL INCOME	PROGRAM EXPENSES	"RESIDUE"
1956	2,118	\$ 31,728.27	\$ 5,000.00 (close est.)	\$ 26,728.27
1957	3,492	44,113.81	14,825.96	29,287.85
1958	4,087	56,950.70	18,352.71	38,597.99
1959	3,501	80,089.66	23,460.44	56,629.22
1960	3,738	107,834.12	27,160.77	80,673.35
1961	3,601	116,995.83	30,810.91	86,184.92
1962	3,655	151,035.00	29,647.36	121,387.64
1963	3,555	109,240.65	24,660.78	84,579.87
1964	3,879	124,759.76	32,521.81	92,237.95
1965	3,982	217,313.98	25,857.62	191,456.36
1966	4,200	131,775.39	29,292.62	102,482.77
TOTALS		\$1,171,837.17	\$261,590.98	\$910,246.19

GRANTS TO THE UNIVERSITY FROM UNRESTRICTED FUNDS

	1956-62	1963	1964	1965	1966	TOTAL
R. F. Poole Scholarships	\$ 28,206.94	\$ 9,200.00	\$10,200.00	\$10,800.00	\$12,400.00	\$ 70,806.94
Faculty Research & Development	36,356.00	12,500.00	10,000.00	2,000.00	2,000.00	62,856.00
Graduate School	39,600.00	10,000.00	10,000.00	10,000.00	10,000.00	79,600.00
Alumni Professorships	7,500.00	4,500.00	4,500.00	7,500.00	7,500.00	31,500.00
Alumni Memorial Scholarships	-	-	1,200.00	2,400.00	2,400.00	6,000.00
Student Organizations	3,500.00	1,000.00	1,000.00	6,000.00	6,000.00	17,500.00
Permanent Endowment	33,899.93	13,230.78	6,739.50	15,723.68	16,873.73	86,467.62
Library	13,301.12	-	-	-	-	13,301.12
The Alumni News	57,182.49	10,851.00	12,917.42	12,217.18	13,552.49	106,720.58
Foundation Loan Fund	20,000.00	-	-	-	-	20,000.00
Loyalty Fund Reserve	37,055.00	8,352.09	-	-	-	45,407.09
University Contingency	-	-	-	10,500.00	10,500.00	21,000.00
TOTALS	\$276,601.48	\$69,633.87	\$56,556.92	\$77,140.86	81,226.22	\$561,159.35

RESTRICTED INCOME

	1956-62	1963	1964	1965	1966	TOTAL
Permanent Endowment	\$ 48,715.30	\$ 685.00	\$ 675.00	\$ 879.25	\$ 2,178.50	\$ 53,133.05
Other Restricted Gifts	114,172.46	14,261.00	35,006.03	113,436.25	19,078.05	295,953.79
TOTALS	\$162,887.76	\$14,946.00	\$35,681.03	\$114,315.50	\$21,256.55	\$349,086.84

AVERAGE ALUMNI GIFT

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
\$7.09	\$8.16	\$9.62	\$12.64	\$23.11	\$26.91	\$30.48	\$35.10	\$29.75	\$30.81	\$26.56	\$31.38



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 13

March 1, 1967

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SOUTH CAROLINA ROOM

CALENDAR: MARCH 1 - MARCH 15, 1967

- Mar. 1 W Newcomers Club, Clemson House, 8 p.m.
- Mar. 1 W Laicos Club, Clemson House, 8:15 p.m.
- Mar. 2 Th Ind. Mgt. Seminar Series, School of IM & TS - Dr. G. H. Aull, Consulting Economist, S. C. National Bank, Clemson, "Fiscal Irresponsibility and Monetary Reform", 2 p.m. in Sirrine Auditorium.
- Mar. 2 Th Woman's Club, 3:30 p.m., Clemson House. A Spring style show will be presented.
- Mar. 2 Th Concert, Jaime Laredo - Field House, 8 p.m.
- Mar. 3-4 F-Sat Military Ball and Spring Hop, Dining Hall
- Mar. 7 T Sage Club, 6:30 p.m., Clemson House for a dinner meeting
- Mar. 7 T Continuing Education Classes, 7 p.m.
- Mar. 9 Th Seminar to be presented by Dr. Don E. Ordway, Vice-Pres. of Therm Advanced Research, Therm Inc., Ithaca, New York on "Renaissance of Sub-sonic Aerodynamics." 4 p.m. in Civil Engineering Auditorium.
- Mar. 9 Th Spring Concert - Clemson University Glee Club, 8 p.m. Tillman Hall.
- Mar. 13 M Forum Club, 7 p.m., Chemistry Building Conference Room
- Mar. 13 M Concert, Pittsburgh Symphony, 8 p.m., Field House
- Mar. 14 T Continuing Education Classes, 7 p.m.
- Mar. 14 T Faculty Senate at 4:15 p.m., Olin Hall Auditorium
- Mar. 15 W Laicos Club, Clemson House, 8:15 p.m.
- Mar. 15 W Newcomers Club, Clemson House, 8 p.m.
- Mar. 15,
16, 17 W-F Board of Visitors
- Mar. 15-18 W-Sat Clemson Players - "Three Penny Opera," Food Ind. Auditorium

AMERICAN COUNCIL ON EDUCATION URGES GENERAL SUPPORT FOR INSTITUTIONS AS
NEXT FEDERAL STEP

The American Council on Education recommended today that the next major step forward in the Federal effort to strengthen higher education be support for the general operating expenses of institutions. The position of the Council is contained in the 16-page document, The Federal Investment in Higher Education: The Need for a Sustained Commitment. It is being distributed to Members of Congress, Federal officials, the press and to all Council members. The document states that unless additional financial resources are made available, "the quality of higher education in this country cannot be improved; in fact, it cannot be sustained."

The Council comments that Federal efforts to strengthen the nation's colleges and universities have been uneven, and usually earmarked for specific projects or programs, with the result that many institutions with a potential for making major contributions "have virtually been bypassed," and that imbalances have been created even in strong institutions. The statement continues:

"One might argue that the consumer - the student instructed - should pay more of the cost. But historically this has not been the policy followed by institutions, and it can be argued that if it had been, only the affluent would have had access to higher education. It can also be argued that cost of instruction should determine the level of institutional fees, with the government's role limited to providing financial aid for students unable to meet the cost. Because of the enormous expense of administering massive student aid programs, such an approach is probably the most expensive way of meeting the problem. Rather, the government should seek ways to reduce the necessity of charging ever higher student fees.

"What is needed, we believe, is a new program supporting general institutional development. Proper safeguards should be written into the legislation to exclude support of the sectarian activities of church-related institutions. Obviously, too, there should be some form of quality control if funds are not to be wasted on sub-standard programs. Regional accrediting programs can offer this control. The addition of Federal funds to those derived from state and local appropriations, from gifts, and from fees will enable each institution to strengthen its total educational effort. And as each institution is strengthened, the whole system of which it is part will be better able to meet the nation's needs."

Recommendations in the document represent the official views of the Council as determined by the Board of Directors. The stated policies and proposals were developed by the Council's Commission on Federal Relations. Following are Council views on specific Federal programs:

ACADEMIC FACILITIES - "We believe, as we have in the past, that the Federal government should give massive assistance to higher education for the construction of facilities . . . Higher education cannot perform its tasks unless it has an adequate plant in which to perform them . . . We continue to hold that construction at a current annual rate of at least \$3 billion will be required." The Council further recommends that the permissible maximum for a Federal grant be increased to 75 percent. Currently,

Titles I and II of the Higher Education Facilities Act of 1963 limit the Federal share to one-third for four-year colleges and universities, and 40 percent in the case of public junior colleges. The Council points out that experience with the program indicates many institutions cannot participate because they are unable to secure the necessary matching funds. Stating that the Act's emphasis on expansion of enrollment capacity "is, in general, a proper one," the Council recommends that opportunity nevertheless should be provided for (1) institutions to expand parts of their programs, even though their total enrollment may not expand, and (2) for institutions with stable enrollments.

HOUSING - "We believe it is essential that the Federal government assure the availability of a minimum of \$1 billion a year for the next ten years in the form of long-term, low interest loans." The Council said the need for housing facilities is as great in rural areas as in urban areas, "where transportation is becoming increasingly complex and expensive and where the urban circumference is expanding."

NDEA STUDENT LOAN PROGRAM - The Council urges that the contribution of colleges and universities to the National Defense Education Act student loan program, currently set at ten percent, be limited to a responsibility for ten percent of losses incurred through bad debts, thus freeing future institutional funds for other purposes. The Council said it also views "with increasing misgivings" the forgiveness of loans to students who enter various specified occupations. The Council recommends that the forgiveness feature not be extended to other fields and that Congress consider eliminating existing forgiveness programs and move instead toward larger grant programs open to needy students "regardless of the fields they wish to enter."

FEDERAL WORK-STUDY PROGRAM - The Council said this program has helped students with their college expenses and made possible the creation of meaningful jobs. And because of the increasing number of students seeking participation in the program, and the new minimum wage requirements, the Council urges that the Federal share for work-study continue at 90 percent for employment in nonprofit enterprise. The Council also urges that institutions be allowed to use up to five percent of their Federal allocation for administrative expenses, whether the work is performed on their own campuses or in other public or nonprofit enterprises.

OPPORTUNITY GRANTS PROGRAM - Because financial aid officers at colleges and universities are limited by the Opportunity Grants Program in finding matching funds for needy students, the Council urges that these officers be permitted to draw not only upon NDEA loan funds, state scholarships, and private sources, but also upon money the student will earn through the work-study program or borrow through the guaranteed loan program. "The proscription against using other Federal fund sources serves in part to defeat the worthy purposes of the Opportunity Grant Program," the Council document states.

GUARANTEED STUDENT LOAN PROGRAM - Pointing out that the Council had advocated in 1965 a loan program in which students would pay "a reasonable but unsubsidized rate of interest after graduation and during the repayment period," the statement notes that the present program is not based on need and is experiencing difficulty because of high interest rates and other

problems. The Council recommends that Congress consider whether a need provision should be introduced into the legislation and whether the current level of interest subsidy is justified. The Council also states that establishing a specified interest rate, regardless of the conditions of the money market, "is a mistake," and that Congress should consider proposals from commercial lending organizations to provide flexible interest rates.

COLLEGE TEACHER EDUCATION - The Council urges the continuation of the NDEA fellowship program at the authorized level of 7,500 new fellowships each year, and that new legislation be enacted to award fellowships to institutions that wish to develop programs leading to various sub-doctoral programs. The Council said there is an acute shortage of teachers qualified to instruct in post-high-school subprofessional and vocational fields. The Council also urges that Title XI of the NDEA be amended to permit training institutes for college teachers. "Such opportunities have for years been made available through the National Science Foundation with highly beneficial results," the document states. "Logic requires that similar opportunities be made available in programs of the Office of Education."

COST-SHARING AND MATCHING REQUIREMENTS - The Council recommends "a wholesale review" of the fiscal relationships between the government and higher education. Because of the requirement that colleges and universities share the cost of Federal programs, the Council states, there have been three major problems: (1) Federal programs are concentrated in a small number of institutions, chiefly those that have been able to provide the additional funds and resources required; (2) institutional funds are being drawn away from other programs in order to finance those being supported by the government; and (3) because private philanthropy and state appropriations are not growing as rapidly as Federal programs, matching funds must be met more frequently through increased charges to students.

HEALTH PROGRAMS - The Council warns that funds authorized for each of the Federal programs supporting construction of teaching facilities in the health professions "fall short of the demonstrated national need." The Council urges "at the least, full appropriations of the authorized sums." The document notes that the construction today of a modern medical center may involve grants from as many as six Federal programs and states: "It is of fundamental importance that the Federal government coordinate, so far as possible, the administration of the many programs designed to meet in part the health needs of our society."

GOVERNMENT RESEARCH POLICY - The Council states that great strides have been made possible through research because of the project system, but that greater amounts should be earmarked for general institutional grants. A major problem created by the project system, the Council points out, is that "it tends to place a greater and greater administrative burden - including proposal - writing, grant-chasing, and reporting - on those who should be the most free to pursue their own inquiries."

-- from Higher Education and National
Affairs

REVISED
2/6/67

Enrollment by Courses and Student Classification
Clemson University
Second Semester 1966-1967

Major Course	Freshman		Sophomore		Junior		Senior		Total
	(Semester)		(Semester)		(Semester)		(Semester)		
	1st	2nd	1st	2nd	1st	2nd	1st	2nd	
Agriculture	4	0	0	0	0	0	0	0	4
Agricultural Economics	9	3	7	6	9	4	14	9	61
Agricultural Engineering	10	3	3	4	1	1	3	2	27
Agronomy	8	4	4	4	2	6	6	5	39
Animal Science	5	3	5	6	5	6	14	2	46
Biology	15	26	18	22	22	16	23	11	153
Dairy Science	3	0	4	2	1	2	3	3	18
Entomology	1	0	2	2	0	0	1	2	8
Food Science	4	2	0	2	2	1	2	1	14
Forestry	29	18	14	9	12	7	23	11	123
Horticulture	3	2	3	4	7	4	7	5	35
Poultry Science	2	0	1	2	1	1	2	0	10
Pre-Veterinary	12	13	7	5	8	3	1	0	49
Sub-Total	105	74	68	68	70	51	100	51	587
Architecture	14	45	30	33	37	21	43(a)	29(b)	252
Building Construction	2	4	10	7	11	6	10(c)	2(d)	52
Sub-Total	16	49	40	40	48	27	53	31	304
Arts and Sciences	118	76	122	105	112	95	78	92	798
Chemistry	7	12	11	8	6	2	6	7	59
Geology	5	4	3	3	7	1	4	2	29
Mathematics	31	17	9	27	15	14	15	8	136
Medical Technology	5	4	4	2	1	3	2	0	21
Nursing	3	28	0	24	1	0	0	0	56
Physics	13	3	4	12	3	4	6	6	51
Pre-Medicine	35	59	26	44	25	36	14	27	266
Pre-Pharmacy	9	4	3	5	1	2	0	0	24
Sub-Total	226	207	182	230	171	157	125	142	1440
Agricultural Education	10	6	16	8	9	8	15	7	79
Elementary Education	6	6	7	12	6	0	0	0	37
Industrial Education	6	1	10	6	12	5	17	2	59
Recreation and Park Adm.	42	18	51	19	25	7	5	0	167
Secondary School Teaching	6	1	2	0	1	3	0	0	13
Science Teaching	7	5	11	10	7	7	7	2	56
Sub-Total	77	37	97	55	60	30	44	11	411
Engineering	26	3	0	0	0	0	0	0	29
Ceramic Engineering	20	5	4	17	5	17	7	4	79
Chemical Engineering	72	9	11	32	8	19	14	24	189
Civil Engineering	95	27	48	47	22	30	30	15	314
Electrical Engineering	87	19	36	38	26	24	38	31	299
Industrial Engineering	0	3	5	1	7	3	18	5	42
Mechanical Engineering	79	16	22	23	26	25	35	27	253
Metallurgical Engineering	2	0	2	5	0	4	0	0	13
Sub-Total	381	82	128	163	94	122	142	106	1218
Industrial Management	95	72	100	69	77	46	81	45	585
Textile Chemistry	5	2	3	4	0	1	5	3	23
Textile Management	0	0	0	0	4	1	19	12	36
Textiles	15	5	6	8	14	8	1	0	57
Textile Science	0	0	0	0	1	0	1	3	5
Sub-Total	115	79	109	81	96	56	107	63	706
Total	920	528	624	637	539	443	571	404	4666
Part Time									
Graduates - Master's Level					115		202		317
Graduates - Ph.D. Level					61		90		151
Postgraduates					20		8		28
Non-Degree Students					16		2		18
Total					212		302		514
Grand Total									5180
Greenville Campus									160
Sumter Campus									96
Overall Total									5436

- (a) Includes fourteen who are in the first semester of the fifth year.
 (b) Includes fifteen who are in the second semester of the fifth year.
 (c) Includes one who is in the first semester of the fifth year.
 (d) Includes two who are in the first semester of the fifth year.

CLEMSON UNIVERSITY

ADMISSIONS & REGISTRATION

Enrollment by Men and Women - Full Time and Part Time
Second Semester 1966-1967

Classification	Men			Women			Total		
	Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total
1st Sem. Freshman	845	2	847	69	4	73	914	6	920
2nd Sem. Freshman	441	1	442	85	1	86	526	2	528
Sub-Total	1286	3	1289	154	5	159	1440	8	1448
1st Sem. Sophomore	580	2	582	38	4	42	618	6	624
2nd Sem. Sophomore	552	1	553	82	2	84	634	3	637
Sub-Total	1132	3	1135	120	6	126	1252	9	1261
1st Sem. Junior	489	2	491	39	9	48	528	11	539
2nd Sem. Junior	410	1	411	30	2	32	440	3	443
Sub-Total	899	3	902	69	11	80	968	14	982
1st Sem. Senior	532	5	537	17	2	19	549	7	556
2nd Sem. Senior	351	13	364	21	2	23	372	15	387
Sub-Total	883	18	901	38	4	42	921	22	943
1st Sem. Fifth Year	13	2	15	0	0	0	13	2	15
2nd Sem. Fifth Year	17	0	17	0	0	0	17	0	17
Sub-Total	30	2	32	0	0	0	30	2	32
Total	4230	29	4259	381	26	407	4611	55	4666
Graduate - Master's Level	182	84	266	20	31	51	202	115	317
Graduate - Ph.D. Level	87	56	143	3	4	7	90	61	151
Postgraduate	7	12	19	1	8	9	8	20	28
Non-Degree Students	0	3	3	2	13	15	2	16	18
Total	276	155	431	26	56	82	302	212	514
Grand Total	4506	184	4690	407	82	489	4913	267	5180
Greenville Campus	128	10	138	20	2	22	148	12	160
Sumter Campus	66	5	71	18	7	25	84	12	96
Overall Total	4700	199	4899	445	91	536	5145	291	5436

SPEAKERS BUREAU FOR S. C. EYE BANK:

--The South Carolina Eye Bank, Inc., has established a speakers bureau so as to supply programs on the organization, purpose, and function of the Eye Bank to the many clubs and groups in the State that might be interested in such a program. Mr. K. R. Helton of the office of Business and Finance, and Mr. Carroll C. Brannon of the Department of Dairy Science have been designated by the South Carolina Eye Bank, Inc., as members of the speakers bureau from this area. Any club or group desiring a program on the Eye Bank may call on either of these two members.

MILITARY BANQUET - SOLDIER SHOW - MILITARY BALL

--Friday, March 3-----6:00 p.m.-----Military Banquet

Southerner Restaurant - Easley, S. C.

Speaker - Gen. Hugh P. Harris (retired)
President, The Citadel

Topic - "Who Is A Great American"

Admission - \$2.50 per person

Restricted to advanced AS and
MS ROTC cadets, members of campus
military organizations, and special
invited guests

Dress - Formal

9:00 p.m.-----"Showboat Jamboree"

U. S. Army Soldier Show

Third U. S. Army, Ft. McPherson, Ga.

Fike Field House - "Big Gym"

Admission - free

Open to the University community

10:00 p.m.-1:00 a.m. - Military Ball

Music - Third Army Dance Orchestra

University Dining Hall

Admission - free

Open to the University community

Dress - Formal

Special Events - Presentation of honorary
cadet winners and drill per-
formance by Pershing Rifles.

FORT HILL CLEMSON CLUB LADIES' NIGHT

The Fort Hill Clemson Club has announced a special Ladies Night banquet for Clemson alumni of the Clemson-Central-Pendleton-Six Mile area, Tuesday evening, April 4. President Bob Newton and other officers of the local club have tickets available for \$5.00 each, and they may also be purchased by mail from the Alumni Office. The occasion will begin at Clemson House with a social hour at 7:00, followed by dinner at 8:00. Mr. Harlee Branch, Jr., nationally outstanding businessman and President of the Southern Company will be the speaker.

MINUTES OF THE FACULTY SENATE

February 14, 1967

The Faculty Senate met on February 14, 1967, at 4:15 p.m. in Olin Hall Auditorium with Dr. J. T. Long presiding.

Dr. Long read from the minutes of the Educational Council information concerning the following items:

(1) An amendment to the by-laws of the research faculty has been approved, changing Article I, Section 1, Part 2 to read: "He must be certified by the Dean of his college or school as being actively engaged in research on an officially approved research project."

(2) The Faculty Senate recommendation that Homecoming Day be an official holiday has been disapproved; the Senate has been asked to consider the desirability of eliminating all Saturday classes.

(3) The Senate resolution suggesting changes in the composition of the honorary degree committee has been returned to the Senate for further study since the present composition is established by by-laws of the Board of Trustees.

(4) The recommendation that no faculty member be transferred from one campus to another without his consent was approved; the recommendation concerning transfer from one administrative unit to another was disapproved.

(5) The recommendation that entering freshmen be mailed a list of required texts was approved if someone assumes the responsibility of preparing the list, which the Registrar's Office will mail.

(6) The request for the establishment of a clerical help pool was not acted upon. The Personnel Office and the Graduate School maintain lists of typists who may be available to work as substitutes.

(7) The Tiger Brotherhood proposal for the establishment of an award to honor a distinguished undergraduate teacher has been returned to the fraternity, which will institute the award this year.

Dr. Long also announced that the Athletic Council has approved a sub-committee recommendation on the sale of faculty athletic season tickets. Under the plan approved, four kinds of season tickets will be available: 1) covering admission to all home football, basketball, and baseball games for 40% of list price, 2) covering admission to football games only, 3) to basketball games only, 4) to baseball games only--for 50% of list price.

Dr. Mark Steadman, chairman of the Welfare Committee, presented a proposed policy concerning faculty workloads. A motion was passed that the statement be submitted to the Educational Council with the recommendation that "the substance of the remarks be included in the Faculty Handbook." Dr. Harriet Holman presented another motion concerning workload, which was referred to a committee.

It was requested that copies of the minutes of the Educational Council be sent to members of the Faculty Senate. Dr. Long will investigate the possibility.

Dr. A. T. Hind presented several motions on behalf of the Committee on Policies. The first requested that "each department compile a complete, up-to-date list of professors, courses, and sections and have this list posted during registration at the place of registration for that department," that "copies of these lists for all department be posted on the bulletin board on the first floor of Tillman Hall at least two days prior to the first day of registration," that "the schedules of courses with instructor information as complete as possible also be available at the time of pre-registration," and that "the above schedule be sent to all class advisers." The motion passed.

The Senate approved a recommendation of the Committee on Policies that no action be taken on a proposal concerning the use of military instead of academic titles for members of the faculty.

The following motion concerning meetings to approve candidates for graduation was also approved: "Since the faculty is and should be responsible for recommending candidates for graduation, it is felt that a faculty vote, however routine, is necessary and desirable to implement its recommendation. The Committee on Policies recommends that the request (for eliminating the meetings) be accepted as information and that no change be made in regard to faculty vote on candidates for graduation."

The Committee on Policies also recommended additions to the Policy Governing Outside Work by Faculty Members, required on all Federal Government contracts, as presented by the Research Council.

A motion from the Committee on Policies concerning faculty attendance at student functions was tabled.

Dr. J. D. Antrim presented a report on questionnaires recently requested by the Personnel Office related to the Fair Labor Standards Act. A motion presented by Dr. Harriet Holman concerning such questionnaires was referred to a committee.

The meeting was adjourned at 5:30 p.m.

Respectfully submitted,


Louis Henry
Secretary

LH:ae

Absent: M. A. Boone, T. L. Senn, R. T. Reep,
H. G. Spencer, H. H. McGarity, J. H. Marvin

PERSONAL MENTION

--Dr. D. W. Lyons (IM-TS) was guest speaker at the American Society of Mechanical Engineers Meeting on January 6, Greenville, S. C. He spoke on "The Applications of Microwave Heating to the Drying of Fibrous Materials."

--Ann Rogers (Agric.) Rural Civil Defense Specialist, will participate in a Seminar for Extension Specialists in Health Education and Related Fields, during the 20th National Conference on Rural Health sponsored by the American Medical Association, White House Inn, Charlotte, North Carolina - March 9-11, 1967.

--R. B. Harris, L. E. Hill, and D. F. White (Social Sci.) read papers at the annual meeting of the South Carolina Society for Philosophy in Columbia, February 10-11. Prof. Harris' paper was entitled, "Five Theses in Philosophy of Religion," Dr. Hill's topic was, "Some Notes on Michael Polanyi's Theory of Personal Knowledge," and Prof. White's paper was entitled, "A Neglected Twentieth Century Moralism."

--W. J. Lanham (AgEc) presented a discussion paper on "Problems in Implementing Coordinated Marketing Research" at the Association of Agricultural Workers meeting in New Orleans, January 30, 1967.

--Dr. H. W. Busching (CE) delivered a paper on "Stress-Deformation Behavior of Anisotropic Bituminous Mixtures" before the Association of Asphalt Paving Technologists in Denver, Colorado on February 15.

--C. E. Littlejohn (ChE) was a member of an ECPD Team to inspect the College of Engineering at the University of Rhode Island.

--Victor Hurst (Dean Univ.) has been elected to a three-year term as a member of the Board of Trustees of the South Carolina Hospital Research and Education Foundation. This foundation, with headquarters in Columbia, S. C., has as its objectives: (1) To promote, sponsor, and conduct research and scientific investigation and to apply scientific knowledge in the provision of hospital care; (2) To conduct and sponsor educational programs of all types for training of hospital career personnel; (3) To assist, sponsor, and encourage individuals pursuing an education in health careers; and (4) To foster the accumulation and exchange of health information and to publish and disseminate such information provided, however, that no part of the net earnings of the corporation shall inure to the benefit of any private individual; and provided further that no substantial part of its activities shall involve the carrying on of propaganda or otherwise attempting to influence legislation.

--J. A. Chisman (ME) was a member of an Accreditation Committee of the Southern Association of Colleges and Schools which visited the Florida Institute of Technology, Melbourne, Florida, February 26 - March 1.

GIFTS AND GRANTS

--The S. C. Agricultural Experiment Station has received the following gifts and grants:

\$2,508 from Columbia Nitrogen Corporation to Animal Science for animal nutrition research.

\$18,823 from National Institute of Health to Food Science and Biochemistry for a project entitled, "A Study of Zinc Metabolism," Dr. Jane Lease will conduct the research project.

\$2,500 from Savannah Sugar Refining Company to Animal Science for research involving the feeding of molasses to replacement beef heifers.

\$2,500 from Mobil Oil Corporation to Pee Dee Station, Florence, S. C., for research on flue cured tobacco problems.

\$500 from Columbia Nitrogen Corporation to Horticulture for horticultural fertilization studies.

\$1,500 from W. R. Grace & Company to Sandhill Station, Columbia, S. C., for continuation of peach tree fertilization research.

\$15,000 from Blenders, Inc., to Horticulture for evaluation of activated and enriched hybrotite, revita poultry compost, and hybrotite.

\$4,000 from T. J. Lipton, Inc., to Truck Station, Charleston, S. C., for continuation of tea research.

--The School of Industrial Management and Textile Science has received \$2,500 grant from the Dow Badische Company for textile education.

--A \$3,000 fellowship grant from the Lockwood Green Engineers has been received by the School of Industrial Management and Textile Science

ANNUAL RE-WORK PERIOD - TRAVELERS INSURANCE GROUP

The annual re-work period for the Travelers Insurance Group will be March 1-31, 1967. Company representatives will be on campus during this period and will be available to explain the Travelers plans and coverage to any interested employee. Visits will be made to any department desiring such and at times most convenient to the respective departments.

Any present member desiring to make changes to fit their individual needs may do so at this time. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time. Anyone who desires to obtain this type of insurance coverage must make application during their first 31 days of employment, or during this re-work period.

If you wish to make an appointment with one of the representatives, you may do so by contacting W. J. Stamey, Personnel Division, Extension 365.



CLEMSON

NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 14

March 15, 1967

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SOUTH CAROLINA ROOM

CALENDAR: March 15 - March 31, 1967

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|------------------|---------|--|
| Mar. 15 | W | Laicos Club, Clemson House, 8:15 p.m. |
| Mar. 15 | W | Newcomers Club, 8 p.m., Clemson House |
| Mar. 16 | Th | Graduate Wives, 8 p.m., YMCA Club Room |
| Mar. 16 | Th | Dr. George S. Handler of the University of Georgia will speak at 4 p.m. in 131 Brackett on "One Center Calculations." |
| Mar. 16 | Th | Dr. Willard F. Williams, Head, Department of Agricultural Economics, Texas Technological College, "Market Structure Analysis", 1:15 p.m., 201 Physics Building. |
| Mar. 18 | Sat | Block C IPTAY Spring Football Game |
| Mar. 20 | M | HAND IN THE TRAP 1961 International Film Critics Award, Cannes Film Festival. Spanish, directed by Leopoldo Torre Nilsson. With Elsa Daniel, Francisco Rabal, Leonardo Fabio. 7 & 9 p.m. Civil Engineering Auditorium. |
| Mar. 21 | T | Fellowship Club, 6:30 p.m., Clemson House |
| Mar. 21 | T | Research Faculty Council, 4 p.m., 101 Physics Auditorium. |
| Mar. 21 | T | Continuing Education Classes, 7 p.m. |
| Mar. 23 | Th | Easter holidays begin, 1 p.m. |
| Mar. 27 - Apr. 1 | | Clemson Week Around the World. |
| Mar. 27 | M | Forum Club, Chemistry Building Conference Room, 7 p.m. |
| Mar. 28 | T | Classes resume |
| Mar. 29 | W | Laicos Club, Clemson House, 8:15 p.m. |
| Mar. 30 | Th | Technical Seminar to be sponsored by the Department of Mechanical Engineering on "Why Machine Parts Fail." 9:20 a.m. - 4:30 p.m., Purple Room, Clemson House. |
| Mar. 31 - Apr. 1 | F - Sat | Greek Week Dances |
| Apr. 3 | M | Initiation Banquet for the Clemson Chapter of The Society of the Sigma Xi, 7 p.m., Clemson House. |

CALENDAR, Continued

- Apr. 4 T Fort Hill Clemson Club, Ladies Night Banquet, Clemson House,
Social Hour 7 p.m. - Dinner at 8 p.m.
- Apr. 6 Th Seminar and lecture by Dr. Lawrence N. Slifkin, Professor of
Physics, University of North Carolina at Chapel Hill.
Seminar - Vacancies, Surface Fields, and the Impossibility of
the Photographic Process, 4 p.m., 101 Physics
Lecture - The Physics of Semiconductors, 8 p.m., 101 Physics
Coffee and cookies will be served in 118 Physics
at 3:30 p.m. and 9 p.m.
- Apr. 7-8 F- National Alumni Division Director's Workshop.
 Sat

NEWSLETTER DEADLINES

Any news item to appear in the Newsletter must be in the University Dean's Office by the 8th of the month for the 15-30 issue and by the 23rd of the month for the next month's 1-15 issue. No items will be accepted via the telephone.

ANNUAL RE-WORK PERIOD - TRAVELERS INSURANCE GROUP

The annual re-work period for the Travelers Insurance Group will be March 1-31, 1967. Company representatives will be on campus during this period and will be available to explain the Travelers plans and coverage to any interested employee. Visits will be made to any department desiring such and at times most convenient to the respective departments.

Any present member desiring to make changes to fit their individual needs may do so at this time. Employees presently enrolled and desiring no changes will be automatically continued and need not contact the representatives at this time. Anyone who desires to obtain this type of insurance coverage must make application during their first 31 days of employment, or during this re-work period.

If you wish to make an appointment with one of the representatives, you may do so by contacting W. J. Stamey, Personnel Division, Extension 365.

Research Faculty Council Meeting

February 21, 1967

The monthly meeting of the Research Faculty Council was called to order at 4:05 P.M., 201 Physics Building by Chairman Schwartz.

Dr. H. H. Macaulay was welcomed as the newly elected Arts and Sciences representative to fill the unexpired term of Dr. John Miller.

The minutes of the January 17, 1967 meeting were read and approved.

Dr. Cecil Godley, chairman of the ad hoc committee on organization, reported (1) that the number of faculty members now engaged in both teaching and research has grown rapidly in recent years and that the policy of the University is that new faculty members be proficient in both teaching and research, and (2) that policies approved by each of the two faculties are often referred to the other before finally approved, thus resulting in considerable duplication of effort by the two groups. In view of these factors, the research council should again affirm its support for unification of the two bodies.

In response to a motion, the council unanimously adopted the report submitted by Dr. Godley.

Dr. Schwartz briefed the Research Council on the status and outcome of research faculty matters under consideration by the administration.

A brief report was given on the Alumni Council Meeting held in Columbia on January 18.

The meeting adjourned at 5:00 P.M.

Respectfully submitted,

G. R. Craddock
Secretary

GRC/j1

Absent:
R. C. Fox
Tah-Teh Yang

The following policy regarding outside work was written and approved by the Research Faculty Council, approved by the Faculty Senate, and subsequently approved by the Educational Council on March 6, 1967.

POLICY GOVERNING OUTSIDE WORK BY FACULTY MEMBERS

Each full-time faculty member at Clemson accepts his appointment with the understanding that his primary employment responsibility is to the university. The university encourages faculty members to offer professional advice concerning the development of the natural resources of the state, or new products, or new scientific apparatuses and techniques; to conduct research and to prepare and publish results of their studies; to make addresses on subjects in which they are qualified and which are of interest to the public; and to serve as officers or as members of committees of learned and scientific societies. Such activities are not normally considered as outside work.

Ordinary private business of members of the faculty, such as the investing of money or the hiring of labor in private undertakings, is not considered to fall within the purview of regulation by the university, provided the business is of such a character as not to damage in any way the prestige of the university, and provided it entails no loss of time or efficiency in the performance of university duties. When a university faculty member undertaking or engaging in Government-sponsored work has a significant financial interest in, or a consulting arrangement with, a private business concern, it is important to avoid actual or apparent conflicts of interest between his Government-sponsored university research obligations and his outside interests and other obligations. When the faculty member engaged in Government-sponsored research also serves as a consultant to a Federal agency, his conduct is subject to the provisions of the Conflict of Interest Statutes (18 U.S.C. 202-209 as amended) and the President of the United States memorandum of May 2, 1963, Preventing Conflicts of Interest on the Part of Special Government Employees. Copies of these publications are available from the Dean of the University.

Occasions may arise when it will be mutually beneficial to the university and to the faculty member for the latter to accept remunerative part-time employment on or off the campus. The purpose of this policy statement is to establish principles which will guide faculty members when cases of this nature arise. The principles are:

1. A member of the faculty who desires to engage in work outside his regular duties shall do so only after obtaining the approval of his immediate supervisor, and the Dean of the University.
2. Outside employment must not interfere with full and proper performance of university duties, and shall not in any way militate against the best interests of the university.
3. The university cannot accept legal responsibility for privately initiated work.
4. University equipment and supplies, and university clerical service, may not be used in the furtherance of outside work for pay except in highly unusual cases and following approval by appropriate administrative officials and written approval by the President of the University.

POST-DOCTORAL RESEARCH ASSOCIATESHIPS AVAILABLE

Announcements of the NASA Post-doctoral and Senior Post-doctoral Resident Research Associateships are available in the Graduate Office.

These Associateships are tenable at Cambridge, Mass.; Moffett Field, Calif.; Huntsville, Ala.; the Jet Propulsion Laboratory, Goddard Space Flight Center, Langley Research Center and the Manned Spacecraft Center at Houston.

FOREIGN SCHOLARS AVAILABLE

The Committee on International Exchange of Persons has recently published an announcement of Foreign Scholars Available under the Fulbright-Hays Act for Remunerative Appointments in U. S. Universities and Colleges for the academic year 1967-68. The list is compiled annually and distributed to college and university administrative officials and faculty members. Through this announcement, a number of scholars, eligible for Fulbright-Hays travel grants, have received lecturing or research appointments in the United States each year.

This listing is available in the Graduate Office.

FULBRIGHT-HAYS ACT INFORMATION AVAILABLE

Information on United States Government Grants under the Fulbright-Hays Act is available in the Graduate Office. This includes available appointments for 1967-68, as well as an advance announcement of the 1968-69 program.

FORT HILL CLEMSON CLUB LADIES' NIGHT

The Fort Hill Clemson Club has announced a special Ladies Night banquet for Clemson alumni, IPTAY, and friends of Clemson in the Clemson-Central-Pendleton-Six Mile area, Tuesday evening, April 4. President Bob Newton and other officers of the local club have tickets available for \$5.00 each or, if you would like someone to contact you with tickets, call George Moore at the Alumni Office, ext. 346 before March 30. No tickets will be available at the door. The occasion will begin at Clemson House with a social hour at 7:00, followed by dinner at 8:00. Mr. Harllee Branch, Jr., nationally outstanding businessman and President of the Southern Company will be the speaker.

GRANTS AND GIFTS

---The Olin-Mathieson Charitable Trust has made a grant of \$1,000 to the Chemical Engineering Department to support undergraduate research during the Summer of 1967.

---The Graduate School has been awarded seven new 9 or 12 months, traineeships by the National Science Foundation as well as 3 summer traineeships.

PERSONAL MENTION

--C. E. Littlejohn (ChE) was selected as a judge for the Kilpatrick Award from Chemical Engineering Magazine. The Award is given annually to a concern for an outstanding achievement in chemical processing.

--Dr. George Beinhart, Jr., has been granted a research award by the Japanese government for a period of 10 months. He will depart on March 13 to start the activities under this award, in the area of physiology of forage crops with particular emphasis on white clovers. Dr. Beinhart is a USDA cooperator in the Department of Botany and Bacteriology.

--Three photographs by Mr. Samuel Wang, Associate Professor of Architecture, are being presented in the "Professors of Photography: A National Exhibit" which will be shown throughout the United States. The exhibit was organized by the University of Oregon, and distributed by the Western Association of Art Museums.

--T. H. Garner (AgE) presented a paper entitled "Seed Metering and Distribution Systems (Southern Area)" at the Engineers' Workshop in Dallas, Texas January 11, 1967. He also presented a paper at the Beltwide Cotton Production-Mechanization Conference in Dallas January 12 entitled "Harvesting Effects on Planting Cottonseed Quality."

--A. W. Snell (AgE) presented a paper entitled "Water -- Our Engineering Responsibility" at the Southeast Meeting of the American Society of Agricultural Engineers in New Orleans, La. January 29 - February 1, 1967.

--C. E. Hood (AgE) presented a paper entitled "A Philosophical Approach to Research in Fruit and Vegetable Mechanization" co-authored by L. O. Drew and B. K. Webb, at the Southeast Meeting of the American Society of Agricultural Engineers in New Orleans, La. January 29 - February 1, 1967.

--J. R. Lambert (AgE) presented a paper entitled "Hydrologic and Quality Effects of Disposal of Waste from Peach Processing Plants by Sprinkler Irrigation" co-authored by F. J. Hanks, at the Southeast Meeting of the American Society of Agricultural Engineers in New Orleans, La. January 29-February 1, 1967.

--L. A. Nance (AgE), former Graduate Research Assistant, presented a paper entitled "A Modified Inflow-Outflow Method for Measuring Infiltration in Furrow Irrigation" co-authored by J. P. Lambert, at the Southeast Meeting of the American Society of Agricultural Engineers in New Orleans, La. January 29 - February 1, 1967.

--T. H. Garner (AgE) attended the Southeast Meeting of the American Society of Agricultural Engineers in New Orleans, La. January 29 - February 1, 1967 as Vice-Chairman of the Southeast Region of ASAE.

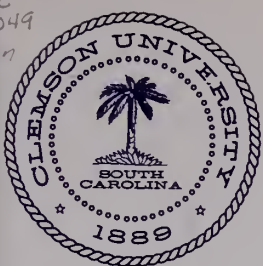
--John R. Anderson, Counselor, spoke to teachers of Anderson, S. C., at their annual In-Service Training Program on March 16, 1967, on the subject "Improving the Disciplines Through Reading."

--P. G. Hunt, graduate student in Agronomy, presented a paper entitled "Organic Matter Removal from Liquid Waste by Percolation Through Soils and Interrelations with Soil Properties and Plant Growth" co-authored by T. C. Peele (Agron), at the Southern Agricultural Workers Association - Southern Branch Meeting in New Orleans, La. on January 31, 1967.

--J. R. Woodruff, graduate student in Agronomy, presented a paper entitled "Effects of Selected Polyhydroxy and Polycarboxy Compounds on Phosphate--Soil Solution Equilibria and ion Uptake by Flax" co-authored by G. R. Craddock (Agron), at the Southern Agricultural Workers Association - Southern Branch Meeting in New Orleans, La. on January 31, 1967.

--K. E. Savage, graduate student in Agronomy, presented a paper entitled "Absorption of Linuron and Fenuron by Soil Colloids and Exchange Resins as a Function of pH" co-authored by C. E. Bardsley (Agron), at the Southern Agricultural Workers Association - Southern Branch Meeting in New Orleans, La. on January 31, 1967.

--D. A. Addison, graduate student in Agronomy, presented a paper entitled "Chlorella vulgaris Assay of the Activity of Soil Herbicides" co-authored by C. E. Bardsley (Agron), at the Southern Agricultural Workers Association - Southern Branch Meeting in New Orleans, La. on January 31, 1967.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 14¹⁵

April 1, 1967

CALENDAR: April 1 - April 15, 1967 CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

- Mar. 30 Th The Clemson University Chorale Society will present Franz Schubert's Mass in G at 8:15 p.m. in Tillman Hall Auditorium.
- Mar. 31 -
Apr. 1 F-Sat Greek Week Dances
- Apr. 1 Sat Tennis - UNC; Track - State-Record Relays
- Apr. 3 M Dr. William G. Pollard, Executive Director of the Oak Ridge Associated Universities, will speak on "The New Transuranium Research Facility at the Oak Ridge National Laboratory," at 4 p.m. in Room 131, Brackett Hall.
- Apr. 3 M Initiation Banquet for the Clemson Chapter of The Society of the Sigma Xi, 7 p.m., Clemson House.
- Apr. 3 M CAROLINE CHERIE French, with Martine Carol. Portrays the French Revolution as the background for the very human story of an aristocrat who survives, but only after incredible experiences. Comparable with Gone with the Wind. 7 p.m. and 9:15 p.m. in the Civil Engineering Auditorium.
- Apr. 3-7 M-F Glee Club Spring Tour - Itinerary on another page
- Apr. 3 M Tennis - East Carolina
- Apr. 3 M Last day to withdraw without record of grades; last day to drop a subject.
- Apr. 4 T Fort Hill Clemson Club, Ladies Night Banquet, Clemson House, Social Hour 7 p.m. - Dinner at 8 p.m.
- Apr. 4 T Sage Club, 6:30 p.m., Clemson House. Dr. R. F. Wheeler, Prof. and Head of Animal Science Department will give an illustrated talk on his recent trip to Europe.
- Apr. 4 T Golf - NC State at Columbia; Baseball - Georgia Tech.
- Apr. 4 T Seminar by E. P. Willimon, Jr., graduate student, entitled "Multi-Stage Processes for Waste Treatment", CE Auditorium, 4 p.m.
- Apr. 5 W Honors and Awards Day (Classes suspended at noon). Awards Programs by Colleges and Schools, 1:00-2:00 p.m.; University Convocation, 2:30-3:30 p.m. in Tillman Hall Auditorium; Joint Review by Army and Air Force ROTC Units, 4:30-5:15 p.m., Bowman Field
- Apr. 5 W Newcomers Club, 8 p.m., Clemson House
- Apr. 5 W Baseball - at Furman

- Apr. 5-6 W-Th Tennis - Harvard
- Apr. 6 W Mu Beta Psi's "Spring Sounds"
- Apr. 6 Th Woman's Club, 3:30 p.m., Clemson House. Dr. Hugh Macaulay will be the guest speaker.
- Apr. 6 Th The Annual Initiation Banquet of the Clemson University Chapter Gamma Sigma Delta will be held at the Clemson House with Governor Robert E. McNair as guest speaker. Ladies and escorts are welcome. 7 p.m.
- Apr. 6 Th Seminar and lecture by Dr. Lawrence N. Slifkin, Professor of Physics, University of North Carolina at Chapel Hill.
Seminar - Vacancies, Surface Fields, and the Impossibility of the Photographic Process, 4 p.m., 101 Physics

Lecture - The Physics of Semiconductors, 8 p.m., 101 Physics. Coffee and cookies will be served in 118 Physics at 3:30 p.m. and 9 p.m.
- Apr. 6 Th Dr. Kenneth L. Rinehart of the University of Illinois will speak at 8 p.m. in Brackett Hall on a subject in the area of natural products chemistry.
- Apr. 6 Th Dr. Charles W. Coker, President of Sonoco Products Company, will speak on "Business Leadership" at the Industrial Management Seminar in Sirrine Auditorium at 2 p.m.
- Apr. 6-8 Th-Sat Little Theatre Special for Children
- Apr. 7 F Baseball - UNC
- Apr. 7-8 F-Sat National Alumni Division Director's Workshop.
- Apr. 8 Sat Baseball - NC State; Track - at Duke; Tennis - Georgia
- Apr. 10 M NOT ON YOUR LIFE (El verdugo) 1965 Directed by Luis Berlanga. Music by Miguel Asins Arbo. With Nino Manfredi, Emma Penella, and Jose Isbert. A comedy concerning the marriage between an undertaker's assistant and an executioner's daughter. Spanish. 7 p.m. and 9 p.m., Civil Engineering Auditorium.
- Apr. 10 M Dr. J. W. S. Hearle, Reader in Textile Physics, University of Manchester Institute of Science and Technology, and noted British scientist and author will speak at 2 p.m. in Sirrine Auditorium on "The Development of the Analysis of the Mechanics of Textile Structures".
- Apr. 10 M Seminar and Lecture by Dr. Lucien M. Brush, Associate Professor of Civil Engineering, Princeton University.

Seminar -- Hydrologic and Hydraulic Models, 4 pm, CE Aud.
Lecture -- Diffusion Processes in the Hydrologic Cycle, 7:30 pm, CE Aud.

Apr. 10	M	Baseball - Georgia
Apr. 10	M	Forum Club, 7 p.m., Chemistry Building Conference Room
Apr. 11	T	Baseball - at USC; Golf - Virginia
Apr. 11	T	Faculty Senate, Olin Hall Auditorium, 4:15 p.m.
Apr. 12	W	Seminar by Kawi Kambhu, graduate student, entitled "Thermophilic Aerobic Processes for Waste Treatment", CE Auditorium, 4 p.m.
Apr. 12	W	Mr. Carl A. Setterstrom, Vice President, Marketing, Rexall Chemical Co., Paramus, New Jersey will speak on "The Philosophy and Practice of Marketing" at the Industrial Management Seminar in Sirrine Auditorium at 2 p.m.
Apr. 12	W	Tennis - Furman
Apr. 13	Th	ROTC Day - Joint Review by the Army and Air Force ROTC Units, 4:30 p.m., Bowman Field
Apr. 13	Th	Concert - The Robert Shaw Chorale and Orchestra, Field House 8 p.m.
Apr. 14	F	The Dixie Section, Institute of Food Technologists, which includes food scientists from the states of Alabama, Georgia, South Carolina, and Tennessee, will meet at Clemson House. A technical session will be held at 3 p.m. and a banquet at 6:30 p.m. Mr. Warren R. Schack, a winner of the International Food Technology Industrial Achievement Award for 1966 will speak; the banquet speaker will be Dr. Georg Borgstrom of Michigan State University who is an international authority on the processing of fish and on world feeding problems. His subject will be "The Role of Food Processing in World Feeding".
Apr. 14	F	Baseball - at Wake Forest; State Golf at Hampton
Apr. 14-15	F-Sat	TAPS Ball and Junior-Senior, Dining Hall.
Apr. 15	Sat.	Golf - at Hampton; Dogwood Relays at Knoxville, Tennessee; Baseball - at Duke; Tennis at Davidson
Apr. 15	Sat	Foreign Language Examination
Apr. 19	W	Annual Meeting of the Research Faculty, 4 p.m. in Room 101 Physics.

UNIVERSITY BOWLING LEAGUE

The University Bowling League would like to start its 1967-68 season this coming August with several additional teams. This year the League consists of 8 teams and some 60 participants. The League commences play every Wednesday evening at 6:30 pm at the Timber Lanes in Seneca. Staff members and graduate students who like to bowl, whether frequently or infrequently, are urged to contact J. D. Antrim (CE), J. E. Tuttle (SocSci) or J. J. Janzen (DySci) by Wednesday, April 19, 1967. Having enough persons to make up a team is not a requirement for joining the League. Individuals wishing to join the League will be absorbed by the existing teams and/or will be combined into a new team.

CLEMSON UNIVERSITY MEN'S GLEE CLUB AND UNIVERSITY SINGERS TOUR EAST COAST ON APRIL 3-7.

Monday afternoon, April 3, the choral groups will depart for a performance in Virginia where they will spend the first night.

Tuesday, April 4, the singers will perform in Baltimore, Maryland at Parkville High School and at the Maryland School of the Blind. The singers will be housed by the people of Parkville High School.

Wednesday, April 5, the singers will travel to Pottstown, Pennsylvania where they will perform for the Pottsgrove High School. Their Wednesday evening performance will be for a combined PTA Meeting at Pottsgrove High School. That evening the parents in the community of Pottstown will provide lodging and meals for the singers.

Thursday, April 6, the group will arrive in New York City for a special performance for the "Manhattan Rotary Club" at 12:15 ;.m. Thursday night will be spent in New York City.

Friday, April 7, the group will return to Clemson.

CHORALE SOCIETY PRESENTS "MASS IN G"

The Clemson University Chorale Society, directed by Joseph E. Jackson, will present Franz Schubert's Mass in G on Thursday, March 30, at 8:15 p.m. in Tillman Hall Auditorium.

Kyrie	Soloist	Melinda Stour
Gloria	Soloists	Peggy Kauffman
		Artie Viohl
Credo		
Sanctus		
Benedictus	Soloists	Betty Hubbard
		Merrill Palmer
		Robert Hill
Agnus Dei	Soloists	Doris Hill
		Artie Viohl

The group will be accompanied by a string ensemble.

MINUTES OF THE FACULTY SENATE

March 14, 1967

The Faculty Senate met at 4:15 p.m. on March 14, 1967, in Olin Hall Auditorium with Dr. J. T. Long presiding.

Dr. Long reported that the Educational Council has approved changes in the policy governing outside work and has approved curriculum changes. He reported that the Board of Trustees has approved the following recommendations: 1. that the University Communications Center be established in the Office of Development and that Central Photographic Services, formerly under the Director of Auxiliary Enterprises, be made part of the University Communications Center, 2. that, effective July 1, 1967, there be established a Department of Alumni Relations and a Department of Public Relations, with the director of each reporting to the Vice President for Development, 3. that the administration be authorized to enter into agreements with other colleges and universities of South Carolina to establish coordinate and cooperative graduate programs of mutual benefit, 4. that the position of Director of Planning and Sponsored Research in the Department of Development be changed to Director of Planning and Corporate Support, that the title Dean of Graduate School be changed to Dean of Graduate School and Director of Research, that the position of Assistant Director of Research in the office of Dean of the Graduate School and Director of Research be established, with Dr. F. I. Brownley to serve as director of research in addition to his duties as dean of the Graduate School and Dr. R. W. Henningson to serve as assistant director of research, 5. that rent on campus housing be raised, 6. that the meal payment plan for students be changed, 6. that an additional high-rise dormitory and 100 married student housing units be completed for the fall of 1968, subject to the approval of the State Budget and Control Board, 7. that the recommendations of the Honorary Degree Committee be accepted, 8. that the interim action of accepting the bid and awarding the contract to C. A. Reece Construction Company for a swine research center in the amount of \$91,669.50 be approved and confirmed.

Dr. Long announced that new allocations for Senate representation allow for one additional member from the College of Arts and Sciences. He also announced that a request from the Greenville branch for liaison in planning for a faculty senate there has been referred to the Welfare Committee. He reported that the University Parking Committee will meet soon to complete university parking regulations and that anyone having suggestions should send them in writing to Dr. J. D. Antrim, Senate representative on the Parking Committee.

Dr. Long announced that new Senate members will be elected in March. Those whose Senate terms expire this year are M. A. Boone and J. M. Stepp from Agriculture, E. A. Gunnin from Architecture, L. L. Henry, H. M. Welder, H. M. Macaulay, and B. R. Skelton from Arts and Sciences, J. T. Long and H. G. Lefort from Engineering, J. J. Porter from Industrial Management and Textile Science, and W. C. Bowen from Education.

Dr. M. S. Steadman presented the following motion on behalf of the Welfare Committee: "The Faculty Senate requests that Department Heads be authorized and instructed to inform all departmental staff members of tentative salaries

MINUTES OF THE FACULTY SENATE CON'T.

for the next year, on or before April 1. Of course, it would have to be clear that such a commitment might be affected adversely by failure of the Legislature to approve the proposed budget." The motion was approved by a vote of 14 to 12. Dr. Steadman reported that any change in retirement policy would involve all state employees.

Dr. A. T. Hind, chairman of the Committee on Policies, reported that the present nine-month pay plan is necessary when federal funds are involved but that a twelve-month plan for other teaching personnel is "legal and possible." He presented a motion asking that the Educational Council make a "twelve-month payment plan available to those desiring it, beginning with the next fiscal year." The motion was approved, with one vote being recorded against it.

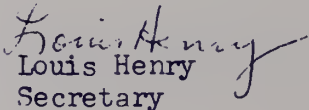
Acting on another motion presented by Dr. Hind, the Senate voted to "decline the suggestion that it make an advisory statement regarding the advantages and disadvantages of Clemson University faculty membership in the South Carolina Education Association."

Approving another recommendation of the Committee on Policies, the Senate voted not to take any action on a proposal "relative to changes in the Clemson University calendar that are made after the beginning of a semester."

Dr. T. L. Senn reported that the Admissions and Scholarship Committee is currently studying the desirability of eliminating Saturday classes.

Following brief reports from Senate representatives on University committees, the meeting was adjourned at 5:05.

Respectfully submitted,


Louis Henry
Secretary

LH:ae

Members absent: J. M. Stepp
J. E. Pinckney
H. M. Felder
B. R. Skelton
W. C. Bowen
A. F. Newton
H. H. McGarity
J. D. Antrim
J. J. Porter

Federal Money for Education: Programs Administered by the U. S. Office of Education

Fiscal Year 1967

TYPE OF ASSISTANCE	AUTHORIZATION	PURPOSE	APPROPRIATION	WHO MAY APPLY	WHERE TO APPLY
GROUP I: For construction					
1 Public schools	School Aid to Federally Impacted and Major Disaster Areas (P.L. 815)	Aid school districts in providing minimum school facilities in federally impacted and disaster areas	\$ 22,937,000	Local school districts	OE's Division of School Assistance in Federally Affected Areas
2 Educational television	P.L. 87-447, amending Communications Act of 1934	Aid in the acquisition and installation of transmitting and production equipment for ETV broadcasting	3,000,000	Nonprofit agencies, public colleges, State television agencies, education agencies	Assistant to the Assistant Secretary (Educational Television), Dept. of HEW, Washington, D. C. 20201
3 Community colleges, technical institutes	Higher Education Facilities Act—Title I	Construct or improve academic facilities	99,660,000	Public community colleges and technical institutes	State commissions
4 Other undergraduate facilities	Higher Education Facilities Act—Title I	Construct or improve undergraduate academic facilities	353,340,000	Colleges and universities	State commissions
5 Graduate facilities	Higher Education Facilities Act—Title II	Construct or improve graduate academic facilities	60,000,000	Public and private academic institutions, grad. center boards	OE's Graduate Facilities Branch, Division of Graduate Programs
6 Undergraduate and graduate facilities	Higher Education Facilities Act—Title III	Loans to construct or improve higher education facilities	200,000,000	Public and private non-profit institutions, cooperative centers, boards of higher education	OE's Division of College Facilities
7 Vocational facilities	Appalachian Regional Development Act of 1965	Construct vocational education facilities in the Appalachian region	8,000,000	State education agencies in Appalachian region	OE's Division of Vocational and Technical Education
8 Area vocational schools	Vocational Education Act of 1963	Construct or improve area vocational education school facilities	(See II-10)	Public secondary and post-secondary schools providing education in 5 or more fields	State boards of vocational education (information from OE's Division of Voc.-Tech. Education)
9 Public libraries	Library Services and Construction Act—Title II	Aid construction of public libraries	40,000,000	State library administrative agencies	OE's Division of Library Services and Educational Facilities
10 Educational laboratories	Cooperative Research Act (amend. by ESEA—Title IV)	Construct and equip national and regional research facilities	12,400,000	Colleges, school systems, State education departments, industry	OE's Division of Laboratories and Research Development
GROUP II: For programs, instruction, and administration					
1 School maintenance and operation	School Aid to Federally Impacted and Major Disaster Areas (P.L. 874)	Aid school districts on which Federal activities or major disasters have placed a financial burden	416,200,000	Local school districts	OE's Division of School Assistance in Federally Affected Areas
2 Strengthening instruction in critical subjects in public schools	National Defense Education Act—Title III	Strengthen instruction in science, mathematics, modern foreign languages, and other critical subjects	79,200,000	Local school districts	State education agency
3 Strengthening instruction in nonpublic schools	National Defense Education Act—Title III	Loans to private schools to improve instruction in critical subjects	1,500,000	Nonprofit private elementary and secondary schools	OE's Division of Plans and Supplementary Centers
4 Strengthening instruction in arts and humanities in public schools	National Foundation on the Arts and Humanities Act of 1965	Improve instructional capabilities of public schools in humanities-arts fields	440,000	Public schools	State education agency
5 Strengthening instruction in arts and humanities in nonpublic schools	National Foundation on the Arts and Humanities Act of 1965	Loans to private schools to improve humanities-arts instruction	60,000	Private nonprofit schools	OE's Division of Plans and Supplementary Centers
6 Cuban refugee program	Migration and Refugee Assistance Act	Assist in providing education for Cuban refugee children	8,167,000	Board of Public Instruction, Dade County, Fla.	OE's Division of School Assistance in Federally Affected Areas
7 Programs for the disadvantaged	Elementary and Secondary Ed. Act—Title I	Support educational programs in areas having high concentrations of low-income families	1,053,410,000	State education agencies	OE's Division of Compensatory Education
8 School library resources and instructional materials	Elementary and Secondary Ed. Act—Title II	Support provision of school library resources, textbooks, and other instructional materials	102,000,000	Local education agencies	OE's Division of Plans and Supplementary Centers
9 Supplementary centers	Elementary and Secondary Ed. Act—Title III	Support supplementary educational centers and services	135,000,000	Local education agencies	OE's Division of Plans and Supplementary Centers
10 Vocational programs	Smith-Hughes, George Barden, Vocational Ed. acts	Maintain, extend, and improve vocational education programs; develop programs in new occupations	255,377,455	Public schools	State boards of vocational education (information from OE's Division of Voc.-Tech. Education)
11 Captioned film loan program	Captioned Films for the Deaf	Provide cultural and educational services to the deaf through films	2,350,000	Groups of deaf persons; non-deaf groups for training	OE's Division of Research Training and Dissemination
12 Desegregation assistance	Civil Rights Act of 1964	Aid school boards in hiring advisors and training employees on problems incident to school desegregation	3,350,000	School boards and other agencies responsible for public school operation	OE's Office of Equal Educational Opportunities
13 Guidance, counseling, and testing in public schools	National Defense Education Act—Title V-A	Assist in establishing and maintaining guidance, counseling, and testing programs	24,500,000	Public elementary and secondary schools, junior colleges, technical institutes	State education agencies
14 Testing in nonpublic schools	National Defense Education Act—Title V-A	Provide for aptitude-achievement testing of private school students	(See II-13)	Testing agencies	State education agency or OE's Div. of Plans and Supp. Centers
15 Services of foreign curriculum specialists	Mutual Educational and Cultural Exchange Act	Provide foreign curriculum specialists to U.S. schools to strengthen language-area studies programs	(See III-11)	Local school agencies, State education agencies, colleges and universities	OE's Division of Foreign Studies
16 Pilot youth programs in science	Science clubs (P.L. 85-875)	Encourage young people interested in science	50,000	Colleges and universities, State education agencies	OE's Division of Plans and Supplementary Centers

TYPE OF ASSISTANCE	AUTHORIZATION	PURPOSE	APPROPRIATION	WHO MAY APPLY	WHERE TO APPLY
17 Teacher institutes	National Defense Education Act—Title XI	Improve qualifications of elementary and secondary teachers and related specialists	30,000,000	Colleges and universities	OE's Division of Educational Personnel Training
18 Teacher institutes	Civil Rights Act of 1964	Improve ability of school personnel to deal with problems incident to school desegregation	3,185,000	Colleges and universities	OE's Office of Equal Educational Opportunities
19 Teacher training (handicapped)	Mental Retardation Facilities . . . Act, and others	Prepare teachers and others who work in education of handicapped	24,500,000	State education agencies, colleges and universities	OE's Bureau of Elementary and Secondary Education
20 Counselor institutes	National Defense Education Act—Title V-B	Improve qualifications of guidance workers in schools and colleges	7,250,000	Public and private nonprofit colleges and universities	OE's Division of Educational Personnel Training
21 Teacher training (vocational)	Smith-Hughes, George Barden, Vocational Ed. acts	Improve qualifications of teachers, supervisors, and directors of vocational education programs	(See II-10)	Local school districts	State boards of vocational education (information from OE's Division of Voc. Tech. Education)
22 National Teacher Corps	Higher Education Act of 1965—Title V-B	Strengthen educational opportunities of children in low-income areas	7,500,000	Local education agencies, colleges and universities	OE's National Teacher Corps
23 Experienced teacher fellowships	Higher Education Act of 1965—Title V-C	Improve the quality of education of elementary and secondary teachers and related personnel	12,500,000	Institutions of higher education offering graduate programs	OE's Division of Educational Personnel Training
24 Prospective teacher fellowships	Higher Education Act of 1965—Title V-C	Improve the quality of education of persons planning careers in elementary and secondary education	12,500,000	Institutions of higher education offering graduate programs	OE's Division of Graduate Programs
25 Institutional assistance grants	Higher Education Act of 1965—Title V-C	Develop and strengthen teacher training programs (elem.-sec.)	5,000,000	Institutions participating in fellowship programs II-23, II-24	OE's Division of Graduate Programs
26 Librarian training	Higher Education Act of 1965—Title II	Increase opportunities for training in librarianship	3,750,000	Colleges and universities	OE's Division of Library Services and Educational Facilities
27 State administration of HEFA program	Higher Education Facilities Act of 1963	Help States administer program under HEFA—title I	7,000,000	State commissions that administer program	OE's Division of College Facilities
28 Endowment of colleges of agriculture and mechanic arts	Morrill Acts, amended	Support instruction in agriculture and mechanic arts in the land-grant colleges	14,500,000	The 68 land-grant colleges	OE's Division of College Facilities
29 Language and area centers	National Defense Education Act—Title VI	Improve quality of instruction in uncommon languages-area subjects	12,700,000	Colleges and universities	OE's Division of Foreign Studies
30 Acquisition of educational media	Higher Education Act of 1965—Title VI-A	Improve instruction in selected subject areas	14,500,000	Colleges and universities	State commissions
31 Workshops, institutes in educational media	Higher Education Act of 1965—Title VI-B	Improve capabilities of persons using educational media for undergraduate instruction	2,500,000	Colleges and universities	OE's Division of College Facilities
32 Strengthening community service programs	Higher Education Act of 1965—Title I	Strengthen higher education capabilities in helping communities solve their problems	10,000,000	Colleges and universities	State agency or institution designated to administer State plan
33 Strengthening developing institutions	Higher Education Act of 1965—Title III	Provide partial support for cooperative arrangements between developing and established institutions	28,560,000	Accredited colleges and universities in existence at least 5 years	OE's Division of College Support
34 National Teaching Fellowships	Higher Education Act of 1965—Title IV	Augment the teaching resources of developing institutions	1,440,000	Developing institutions nominating prospective fellows from established institutions	OE's Division of College Support
35 College library resources	Higher Education Act of 1965—Title II	Strengthen library resources of colleges and universities	25,000,000	Institutions of higher education and combinations thereof	OE's Division of Library Resources and Educational Facilities
36 Student loans—matching funds	National Defense Education Act—Title II	Provide for loans to colleges and universities that cannot meet program's matching obligations	2,000,000	Accredited nonprofit institutions (including business schools and technical institutes)	OE's Division of Student Financial Aid
37 Cuban student loans	Migration and Refugee Assistance Act	Provide a loan fund to aid Cuban refugee students	3,600,000	Colleges and universities	OE's Division of Student Financial Aid
38 College work-study	Higher Education Act of 1965—Title IV-C	Provide part-time employment for college students	134,100,000	Colleges and universities	OE's Division of Student Financial Aid
39 Reserve contributions to guarantee agencies	Higher Education Act of 1965—Title IV-B	Help provide adequate loan insurance reserves to guarantee loans	43,000,000	State or nonprofit private guarantee agencies	OE's Division of Student Financial Aid
40 Talent search	Higher Education Act of 1965—Title IV-A	Assist in identifying and encouraging promising high school graduates	2,500,000	State, local education agencies, public or nonprofit organizations	OE's Division of Student Financial Aid
41 Educational opportunity grants	Higher Education Act of 1965—Title IV-A	Assist qualified high school graduates to go to college	112,000,000	Colleges and universities	OE's Division of Student Financial Aid
42 Cuban refugee professional training	Migration and Refugee Assistance Act	Provide refresher training programs for professional personnel	500,000	Colleges and universities	OE's Division of Educational Personnel Training
43 Foreign Study	Mutual Education and Cultural Exchange Act	Assist U.S. institutions in promoting language and area studies abroad	500,000	Colleges and universities	OE's Division of Foreign Studies
44 State statistical services	National Defense Education Act—Title X	Improve statistical services of State education agencies	2,250,000	State education agencies	OE's Division of Data Sources and Standards
45 Strengthening State education agencies	Elementary and Secondary Ed. Act—Title V	Improve leadership resources of State education agencies	22,000,000	State education agencies and combinations thereof	OE's Division of State Agency Cooperation
46 Supervision and instruction	National Defense Education Act—Title III	Strengthen supervision and administration in State education agencies	7,500,000	State education agencies	OE's Division of Plans and Supplementary Centers
47 Public library services	Library Services and Construction Act—Title I	Extend and improve public library services	35,000,000	State library administrative agencies	OE's Division of Library Services and Educational Facilities
48 Interlibrary cooperation	Library Services and Construction Act—Title III	Planning for establishment of cooperative networks of libraries	375,000	State library administrative agencies	OE's Division of Library Services and Educational Facilities

TYPE OF ASSISTANCE	AUTHORIZATION	PURPOSE	APPROPRIATION	WHO MAY APPLY	WHERE TO APPLY
49 State institutional library services	Library Services and Construction Act—Title IV-A	Planning for improved institutional library services	375,000	State library administrative agencies	OE's Division of Library Services and Educational Facilities
50 Library services to physically handicapped	Library Services and Construction Act—Title IV-B	Planning for improved library services to physically handicapped	250,000	State library administrative agencies	OE's Division of Library Services and Educational Facilities
51 Civil defense adult education	Federal Civil Defense Act of 1950	Provide information on civil defense procedures to the public	4,005,000	Chief State school officers or State agencies	OE's Division of Adult Education Programs
52 Adult basic education	Adult Education Act of 1966	Provide literacy programs for adults	30,000,000	State education agencies	OE's Division of Adult Education Programs
53 Occupational training and retraining	Manpower Development and Training Act of 1962	Provide training programs to equip persons for work in needed employment fields	123,700,000	Local school authorities (public, private nonprofit)	State vocational education agency (information from OE's Division of Vocational and Technical Education)
54 Vocational guarantee reserve funds	National Vocational Student Loan Insurance Act	Provide adequate loan reserves for vocational student loans	1,800,000	State and private nonprofit guarantee agencies	OE's Division of Student Financial Aid
55 Vocational work-study	Vocational Education Act of 1963—Sec. 13	Provide part-time employment opportunities for vocational education students	10,000,000	High schools, colleges, vocational or technical schools	State education agencies (information from OE's Division of Vocational and Technical Education)
56 Researcher training	Cooperative Research Act (amend. by ESEA—Title IV)	Develop and strengthen programs for training educational researchers	(See III-35)	State education agencies, institutions and organizations	OE's Division of Research Training and Dissemination
GROUP III: For teacher training and student assistance					
1 Handicapped teacher scholarships	Mental Retardation Facilities . . . Act, and others	Improve training of persons responsible for the education of the handicapped	(See II-19)	Persons employed or preparing for employment as teachers, supervisors, etc., of handicapped	Participating institutions (information from OE's Bureau of Elementary and Secondary Education)
2 Desegregation training grants	Civil Rights Act of 1964	Improve ability of school personnel to deal with desegregation problems	(See II-12)	Teachers and other personnel of public schools	OE's Office of Equal Educational Opportunities
3 Experienced teacher fellowships	Higher Education Act of 1965—Title V-C	Improve the quality of education of elementary and secondary teachers and related personnel	(See II-23)	Experienced teachers planning to continue in elementary and secondary teaching careers	Local school boards or participating institutions (information from OE's Div. of Ed'l. Personnel Training)
4 Prospective teacher fellowships	Higher Education Act of 1965—Title V-C	Improve the quality of education of persons planning careers in elementary and secondary education	(See II-24)	Prospective teachers and school personnel in related professional areas	Participating institutions (information from OE's Division of Graduate Programs)
5 Arts and humanities training grants (institutes)	National Foundation on the Arts and Humanities Act of 1965	Strengthen the teaching of the humanities and the arts in elementary and secondary schools	500,000	Persons engaged in or preparing to engage in teaching or supervising or training teachers	Participating institutions (information from OE's Division of Educational Personnel Training)
6 National Teacher Corps	Higher Education Act of 1965—Title V-B	Strengthen educational opportunities of children in low-income areas	(See II-22)	Qualified teachers and prospective teachers	Participating institutions (information, OE's National Teacher Corps)
7 Study abroad	Mutual Educational and Cultural Exchange Act	Improve teacher competence and curriculums in modern foreign languages and area studies	721,000	Teachers and supervisors of foreign languages-area studies (minimum 5 years experience)	OE's Division of Foreign Studies
8 Summer seminars abroad	Mutual Educational and Cultural Exchange Act	Improve quality of instruction in modern foreign languages and area studies in the U. S.	178,000	Secondary school and college languages-area studies teachers (minimum 2 years experience)	OE's Division of Foreign Studies
9 Counseling and guidance training grants (institutes)	National Defense Education Act—Title V-A	Improve counseling of students in schools and colleges	(See II-13)	Persons engaged in or preparing to engage in counseling and guidance of students	Participating institutions (information from OE's Division of Educational Personnel Training)
10 Teacher training grants (institutes)	National Defense Education Act—Title XI	Improve the quality of teachers, school librarians, other specialists	(See II-17)	Teachers, teacher trainers, and supervisors in 12 areas	Participating institutions (information, OE's Div. of Ed'l. Pers. Training)
11 Foreign teacher development	Mutual Educational and Cultural Exchange Act	Provide opportunity for foreign educators to observe U.S. methods, curriculum, organization (elementary and secondary)	420,000	Foreign educators (administrators, teachers, teacher trainers, education ministry officials)	U.S. embassies, educational commissions, foundations abroad (information from OE's International Exchange and Training Branch)
12 Teacher exchange	Mutual Educational and Cultural Exchange Act	Improve and strengthen relations between U.S. and foreign nations by exchange of teachers	350,000	Elementary and secondary teachers, college instructors and assistant professors	OE's Teacher Exchange Section, International Exchange and Training Branch
13 Captioned films—training grants	Captioned Films for the Deaf	Improve quality of instruction available to deaf persons	(See II-11)	Persons who will use captioned film equipment	OE's Division of Research Training and Dissemination
14 Graduate fellowships	National Defense Education Act—Title IV	Increase the number of well-qualified college teachers	81,957,000	Prospective college teachers working toward doctoral degrees	Participating institutions (information, OE's Div. of Grad. Programs)
15 College work-study	Higher Education Act of 1965—Title IV	Provide part-time employment for college students	(See II-38)	College students	Participating institutions (information, OE's Div. of Student Finan. Aid)
16 Foreign language fellowships	National Defense Education Act—Title VI	Train college teachers of modern foreign languages and area studies	(See IV-7)	Undergraduate, graduate, and postdoctoral students trained in modern foreign languages	Participating institutions (information from OE's Institutional Support Branch, Division of Foreign Studies)
17 Student loans	National Defense Education Act—Title II	Provide for low-interest loans to college students	190,000,000	College students	Participating institutions (information, OE's Div. of Student Finan. Aid)
18 Educational opportunity grants	Higher Education Act of 1965—Title IV-A	Assist qualified high school graduates to go to college	(See II-41)	Promising high school graduates and college undergraduates of exceptional financial need	Participating institutions (information from OE's Division of Student Financial Aid)
19 Study abroad	Mutual Educational and Cultural Exchange Act	Assist U.S. institutions in promoting language and area studies	(See II-43)	Professors, college and secondary school teachers	Participating institutions (information, OE's Div. of Foreign Studies)
20 National Teaching Fellowships	Higher Education Act of 1965—Title III	Augment the teaching resources of developing institutions	(See II-34)	Highly-qualified graduate students or junior faculty members from established institutions	Participating institutions (information from OE's Division of College Support)
21 Study abroad	Mutual Educational and Cultural Exchange Act	Improve instructional programs in NOEA Language and Area Centers	640,000	Center faculty members	OE's Division of Foreign Studies
22 Study abroad	Mutual Educational and Cultural Exchange Act	Develop competence in language and area studies for graduate students preparing for college teaching	610,000	Graduate students preparing for college teaching of non-Western language and area studies	OE's Division of Foreign Studies

TYPE OF ASSISTANCE	AUTHORIZATION	PURPOSE	APPROPRIATION	WHO MAY APPLY	WHERE TO APPLY
23 Insured loans and interest benefits	Higher Education Act of 1965—Title IV-B	Provide student loan program through commercial lenders	(See II-39)	College students	Participating lenders (information, OE's Div. of Student Financial Aid)
24 Educational media personnel training grants (institutes)	Higher Education Act of 1965—Title VI-B	Improve capabilities of educational media specialists and others using such media at college level	2,500,000	Those who will use educational media for instruction at undergraduate level	Participating institutions (information from OE's Division of College Support)
25 Technical assistance, training grants	Act for International Development of 1961	Provide specialist training to foreign educators and strengthen education and economy in developing nations	3,000,000	Foreign nationals from countries with which U.S. has bilateral technical assistance agreements	AID Mission with concurrence local education ministry (information from OE's International Exchange and Training Branch)
26 Cuban student loans	Migration and Refugee Assistance Act	Aid needy Cuban refugee college students to finance their education	(See II-37)	Cubans who became refugees after January 1, 1959	Participating institutions (information, OE's Div. of Student Finan. Aid)
27 Librarian fellowships and traineeships	Higher Education Act of 1965—Title II	Increase opportunities throughout the Nation for training in librarianship	(See II-26)	Fellows and others undergoing training in librarianship and related fields	Participating institutions (information from OE's Division of Library Services and Educational Facilities)
28 Cuban professionals re-training grants	Migration and Refugee Assistance Act	Aid Cuban refugee teachers and other professional personnel who need assistance for further study	(See II-42)	Cuban refugee teachers, physicians, and other professional personnel	Participating institutions (information from OE's Division of Educational Personnel Training)
29 Leadership and vocational training grants	Government and Relief in Occupied Areas	Provide opportunities for Ryukyuan to observe and study in U.S. to improve education, economy	21,711	Ryukyuan nationals selected by their government	Ryukyu Island government in cooperation with High Commissioner (information from OE's International Exchange and Training Branch)
30 Vocational work-study	Vocational Education Act of 1963—Sec. 13	Provide part-time employment for young people to help them begin or continue vocational training	(See II-55)	Vocational education students	Participating institutions (information from State education agencies or OE's Div. of Voc.-Tech. Education)
31 Occupational training and retraining	Manpower Development and Training Act	Train skilled workers in all sections of the Nation	(See II-53)	Persons referred by State employment services	Participating institutions (information from OE's Division of Manpower Development and Training)
32 Vocational loans and interest benefits	National Vocational Student Loan Insurance Act	Provide loan program for vocational school students through commercial lenders	(See II-54)	Vocational students	Participating lenders or schools (information from OE's Division of Student Financial Aid)
33 Vocational teacher training grants	Smith-Hughes, George Barden, Vocational Ed. acts	Improve qualifications of vocational education teachers	(See II-10)	Teachers of vocational education subjects	Participating institutions (information from State boards of vocational ed. or OE's Div. of Voc.-Tech. Ed.)
34 Adult basic education teacher training grants	Adult Education Act of 1966	Improve qualifications of teachers of adult basic education courses	(See II-52)	Teachers and teacher trainers of adult basic education courses	Participating institutions (information, OE's Div. of Adult Ed. Programs)
35 Researcher training grants	Cooperative Research Act (amend. by ESEA—Title IV)	Improve qualifications of educational researchers	6,500,000	Present and prospective researchers in education	Participating institutions (information from OE's Division of Research Training and Dissemination)

GROUP IV: For research

1 Comparative education research	Special foreign currency program (P.L. 480)	Use counterpart funds for educational research of value to the U.S. and other nations	500,000	Ministries of education and colleges and universities abroad	OE's Division of Higher Education Research
2 Curriculum research (general) (arts and humanities)	Cooperative Research Act	Support research on the improvement of curriculum, including arts and humanities at all levels	16,085,000	Colleges, universities, State education agencies, private or public groups, or individuals	OE's Div. of Elementary and Secondary Research (Arts-Humanities: Div. of Labs. & Research Ovlpt.)
3 Curriculum research (demonstration and development)	Cooperative Research Act	Support research—demonstration and development—on school curriculum improvement	3,000,000	(same as IV-2)	OE's Division of Elementary and Secondary Research
4 Curriculum research (dissemination)	Cooperative Research Act	Support dissemination of research to improve curriculum	2,415,000	(same as IV-2)	OE's Division of Elementary and Secondary Research
5 Deaf education research	Captioned Films for the Deaf	Research and demonstration; includes film production	450,000	Colleges, universities, foundations, agencies, organizations	OE's Division of Research Training and Dissemination
6 Educational media research	National Defense Education Act—Title VII	Support research on educational uses of television, radio, motion pictures, other media	4,400,000	Grants: public or nonprofit institutions, individuals; contracts: public agencies, individuals	OE's Division of Research Training and Dissemination
7 Foreign language research	National Defense Education Act—Title VI	Support research on improved instruction in modern foreign languages and teaching methods	3,100,000	Colleges, universities, professional associations, public school systems, and individuals	OE's Division of Higher Education Research
8 Handicapped research and demonstration	Mental Retardation Facilities . . . Act, and others	Promote research and demonstration on education of the handicapped	6,100,000	State education agencies, local school districts, nonprofit private organizations, public groups	OE's Division of Elementary and Secondary Research
9 Library research and demonstration	Higher Education Act of 1965—Title II-B	Research and demonstrations on libraries and lib. personnel training	3,550,000	Colleges and universities, agencies, and organizations	OE's Division of Research Training and Dissemination
10 Research and Development Centers	Cooperative Research Act (amend by ESEA—Title IV)	Support research on the major problems of education	29,600,000	Colleges, universities, agencies, and organizations	OE's Division of Laboratories and Research Development
11 Vocational research	Vocational Education Act of 1963—Sec. 4(c)	Develop research and training, experimental and pilot programs for special vocational needs	10,000,000	State education agencies, colleges and universities, local education agencies	OE's Division of Adult and Vocational Research

KEY—principal area strengthened by program
 elementary and secondary education
 higher education
 adult and vocational education
 libraries
 research
 State agencies

U.S. Office of Education
 400 Maryland Avenue S.W.
 Washington, D. C. 20202

DISCRIMINATION PROHIBITED

Title VI of the Civil Rights Act of 1964 states "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving Federal financial assistance." All programs cited herein, like every other program or activity receiving financial assistance from the Department of Health, Education, and Welfare, operate in compliance with this law

PERSONAL MENTION

--W. D. Trevillian (IM-TS) delivered a paper at the joint meeting of the National Council for Textile Education and the ATMI Education Committee on March 8 in Raleigh, N. C. The paper was entitled: "What Kind of Executives do our Educators Feel Industry Should Want?"

--D. H. Petersen (Bot-USDA) along with R. Paul Larsen, Michigan State University, organized and chaired a Peach Tree-Life Seminar held in Wichita, Kansas, on February 18. Approximately 70 peach workers from the United States, Canada, and Mexico attended.

--D. H. Petersen (Bot-USDA) presented a talk entitled "How to Fight Disease Problems" at the 26th annual convention of the National Peach Council, February 21, Wichita, Kansas.

--J. F. Andrews (ESE) presented a seminar on "Continuous Culture of Microorganisms" at Vanderbilt University, March 10, 1967.

--Harvey J. Wheeler (Econ) has had a paper published in the February issue of Papers on Non-Market Decision Making II, Thomas Jefferson Center for Political Economy, University of Virginia, entitled "Alternative Voting Rules and Local Expenditure."

--Dr. S. O. Park (IM) has published "An Analysis of Changes in Personal Income in South Carolina, 1953 to 1965" in the March issue of the South Carolina Business and Economic Review.

--Everett Laitala (IE) spoke on the subject "Application of the Systems Concept to Materials Management" at the Carolinas Chapter International Material Society meeting in Spartanburg, March 12.

--J. H. Couch (IE) spoke to the Piedmont Chapter of the American Welding Society at their March 15 dinner meeting in Greenville. His subject was "Modern Manufacturing Techniques."

--D. F. Bruley (ChE) spoke on "Process Dynamics? Control?" before the Western Carolina Section of the Instrument Society of America on March 7 in Brevard, N. C.

--G. F. Meenaghan (ChE) presented two seminars at Virginia Polytechnic Institute, March 7, in Blacksburg, Virginia. The titles of the seminars were "Design of Deep Stabilization Ponds" and "New Applications of Chemical Engineers in Medicine".

--J. H. Moore (CE) was one of six contributors to an article published in February in the Journal of the Structural Division of the Proceedings of the American Society of Civil Engineers. The article, "Structural Plastics: Properties and Problems," is the initial report of the six-man ASCE Task Committee.

--Andrew Sobczyk (Math) presented a talk to the Mathematics Colloquium of Georgia Institute of Technology, Atlanta, on March 10, 1967, on the topic, "Metric Geometry and Combinatorial Numbers."

--C. V. Aucoin (Math) recently presented lectures at Mary Washington College, Virginia Polytechnic Institute, and the Medical College of Virginia. Later, a two-day lecture series was presented to Mathematics Faculty and students at Presbyterian College. Both lecture series were sponsored by the Mathematical Association of America.

GIFTS AND GRANTS

--The South Carolina Highway Department and the U.S. Bureau of Public Roads have approved a grant to the Civil Engineering Department of \$82,980 for a 30-month project on "An Evaluation of the Relative Strength of Flexible Pavement Components." Dr. Arnold E. Schwartz (CE) will be principal investigator and he will be assisted by Professor J. P. Rostron (CE) and Dr. Herbert W. Busching (CE).

--The Gerber Products Company has awarded a gift of \$1,500 to the S. C. Agricultural Experiment Station (Horticulture) for pear research.

--Abbott Laboratories, Inc., has awarded a gift of \$500 to the S.C. Agricultural Experiment Station (Horticulture) for agricultural chemical studies.



CLEMSON NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 16

April 15, 1967

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CALENDAR: April 15 - April 30, 1967

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

Apr. 15	Sat	Foreign Language Examination
Apr. 15	Sat	Golf - at Hampton; Dogwood Relays at Knoxville, Tennessee; Baseball - at Duke; Tennis at Davidson
Apr. 17	M	Dr. Richard A. King, M. G. Mann Professor of Economics, North Carolina State University, is the Agricultural Economics Seminar speaker at 3 p.m. in Room 101 Physics. His subject, "On the Neglect of Market Price Relations."
Apr. 17	M	Mr. Bryant Mather, Chief Engineer, Concrete Division, U.S. Army Engineer Waterways Experiment Station, will lecture on "Factors Affecting Concrete Durability," 7:30 p.m., Civil Engineering Auditorium.
Apr. 17	M	Varsity Baseball - Furman at Clemson
Apr. 18	T	Fellowship Club, 6:30 p.m., Clemson House
Apr. 18	T	THE LEARNED LADIES (Les femmes savantes) 1965 Directed by Jean Meyer, formerly of the Comedie Francaise. With Renee Devilliers and Maria Versini. A film presentation of Moliere's play. French. 7 and 9 p.m. in CE Auditorium.
Apr. 18	T	Seminar by John Ellers, graduate student, entitled "Degradation of Lignin Waste," Civil Engineering Auditorium, 4:00 p.m.
Apr. 18	T	Varsity Baseball - USC at Clemson; Tennis - Ga. Tech at Clemson; Golf - Wake Forest at Winston-Salem.
Apr. 18	T	Research Faculty Council, 4 p.m., 101 Physics.
Apr. 18-21	T-F	Lab. Exams
Apr. 19	W	Annual Meeting of the Research Faculty, 4 p.m., 101 Physics
Apr. 19	W	Newcomers Club, 8 p.m., Clemson House
Apr. 19	W	Laicos Club, 8:15 p.m., Clemson House
Apr. 20	Th	Glee Club Spring "Pops Concert" - Tillman Hall Auditorium.
Apr. 20	Th	Dr. George Rudinger, Principal Physicist, Cornell Aeronautical Laboratory, Buffalo, New York will present seminar on "Current Mathematical Model for the Analysis of Blood Flow," Civil Engineering Auditorium, 4 p.m.
Apr. 20	Th	Dr. J. F. Eastham of the University of Tennessee will speak at 4 p.m. in Brackett 131 on "Structure and Mechanism of Organolithium Chemistry."

CALENDAR, CONTINUED

Apr.	21	F	Mr. Hugh P. Boylan, Asst. Mgr., Purchasing and Stores, Consolidated Edison Co. of New York will speak at the Second Annual Conference on Value Analysis for the Utilities, 9:45 am - 4 pm, Purple Room, Clemson House, sponsored by Ind. Engr. Dept.
Apr.	21	F	Technical Seminar to be sponsored by the Department of Engineering Mechanics on "Experimental Stress Analysis," 9:10 a.m. - 4:15 p.m., with luncheon in Blue Room, Clemson House.
Apr.	21-22	F-Sat	State Tennis Meet in Columbia
Apr.	22	Sat	Track - USC and Ga. Tech at Columbia; Golf - Maryland and USC.
Apr.	22	Sat	Graduate Record Examination; EIT Examination
Apr.	24	M	Forum Club, 7 p.m., Chemistry Building Conference Room
Apr.	24	M	May graduates turn in data card and pick up gift - Alumni Office.
Apr.	25	T	Reading Day; Jewish Passover
Apr.	26	W	Examinations begin
Apr.	28	F	Mr. A. J. Beck, Acting Supervisor, Purchase Research Division, Purchasing Department, Detroit Edison Company, will be the principal speaker at the second session of the Second Annual Conference on Value Analysis for the Utilities, sponsored by the Department of Industrial Engineering, 9:45 a.m. - 4 p.m., Purple Room, Clemson House.
May	2	T	Sage Club, 6:30 p.m., Clemson House - Dinner Meeting
May	3	W	Baseball - U. of Ga. at Ga.
May	3	W	Laicos Club, 8:15 p.m., Clemson House
May	3	W	Newcomers Club, 8 p.m., Clemson House
May	4	Th	Baseball - Wake Forest
May	4	Th	Woman's Club, 3:30 p.m., Clemson House
May	4	Th	Architecture Exhibit, Lee Gallery, Verticle Studio Show and Theses - through Summer
May	5	F	Baseball - Duke
May	5	F	General Faculty and Staff Meeting, Chemistry Auditorium, 11 am.
May	5	F	Baseball - Duke; State Track - Columbia
May	5-6	F-Sat	Track - State Meet at Columbia

CALENDAR, CONTINUED

May	6	Sat	Commissioning Exercises, Tillman Hall Auditorium, 11 a.m.
May	6	Sat	President's Reception for Graduates and Families, President's Home, 2:30-3:30 p.m.
May	6	Sat	Commencement Exercises, Amphitheater, 5 p.m.
May	8	M	Forum Club, 7 p.m., Chemistry Building Conference Room
May	8	M	Baseball - UNC at Chapel Hill; Tennis - Va. at Charlottesville
May	8-12	M-F	Professional Development - PD 96 - Color Measurement Seminar Sirriner Hall
May	9	T	Baseball - N. C. State at Raleigh; Tennis - Maryland at College Park
May	10-11	W-Th	Baseball - Virginia at Charlottesville
May	11-13	Th-Sat	ACC Tennis Meet at Durham
May	12-13	F-Sat	Baseball - Maryland at College Park; Track - ACC Meet at Durham; Golf - ACC Meet at Pinehurst
May	15-16	M-T	Baseball - V.P.I. at Blacksburg

SPECIAL DEDUCTION OF SUMMER INSURANCE PREMIUMS FOR ACADEMIC FACULTY

Arrangements have been made by the Accounting Division to deduct regular group insurance premiums for the months of May, June, and July from the salary check to be issued on May 5 to each member of the faculty who is paid on the academic year basis. The August premium will be deducted from the check issued August 31.

Any member of the teaching faculty who will not return for the 1967-68 session may continue his insurance coverage through August 31, if he so desires, by delivering a check in the correct amount to Mr. W.J. Stamey in the Personnel Office prior to May 1, 1967. The check (or checks) should be payable to the insuring organization, not to Clemson University.

Any member of the teaching faculty who desires to cancel or reduce his insurance coverage effective in May, June, or July must forward a written authorization to Mr. Stamey not later than April 25, 1967.

Research Faculty Council Meeting

March 21, 1967

The monthly meeting of the Research Faculty Council was called to order at 4:05 P.M., 101 Physics Building by Chairman Schwartz.

The minutes of the February 21, 1967 meeting were approved.

Dr. R. C. Fox reported on procedures followed in various Departments with regard to leave time granted to graduate students. Also the amount of earned leave time of nine month employees conducting research at Clemson during the summer was discussed. No recommendations were formulated at this time by the Council.

Dr. A. E. Schwartz reported that reapportionment of the Research Faculty Council had been formulated in accordance with the Research Faculty Constitution and By-Laws and that the number of representatives by colleges and schools would be as follows for the next three years beginning in 1967-1968:

School of Architecture - 1
School of Industrial Management and Textile Science - 2
School of Education - 1 (Currently no one qualifies for
Research Faculty Council)
College of Engineering - 3
College of Agricultural and Biological Sciences - 8
College of Arts and Sciences - 3

Matters of information:

1. Dr. Schwartz reviewed briefly the Sabbatical leave policy.
2. The annual meeting of the Research Faculty would be 4:00 P.M. April 19, 1967, in room 101 Physics.

Considerable discussion ensued with regard to the amount of work demanded of the Computer Center and reasons why a waiting period elapsed before data could be processed. It was suggested that Chairman Schwartz invite Mr. M. C. Palmer, Director of the Computer Center to discuss operations of the Center with respect to the current demands and projected problems in processing data in the future.

The meeting adjourned at 5:20 P.M.

Respectfully submitted,

G. R. Craddock
Secretary

Absent: W. V. Chalupa
L. O. Van Blaricom
J. J. Porter

PERSONAL MENTION

--Alfred F. Newton (Ind. Ed.) attended the 29th Annual Convention of the American Industrial Arts Association in Philadelphia, Pa., March 13-17. He served as Chairman of the Public and Professional Relations Committee, and participated on the panel - Wood and Our Earliest Heritage. His paper was entitled "Woodworking Is a Lost Art?" Dr. Newton also acted as Vice-Chairman of the American Council of Industrial Arts Education Committee on Accreditation.

--Harvey E. Morgan (Ind. Ed.) attended the 29th Annual Convention of the American Industrial Arts Association in Philadelphia, Pa., March 13-17, as the State Representative for the American Industrial Arts Association. He also chaired the panel Mechanics and Power for Contemporary Industrial Arts.

--C. M. McHugh (EG) presented a paper entitled "Articulation of High School and College Graphic Courses" to a meeting of High School Counselors, and a second time to the Industrial Arts Teachers at their State Teachers Convention in Columbia on March 17.

--J. C. Martin (EE) presented a talk on "Systems in Engineering" at a meeting of the Engineers Society of Western North Carolina in Asheville on March 20.

--W. E. Castro (EM), William Squire (West Virginia University) and James Costrell (General Electric Company) co-authored a short article entitled "Mechanism of Turbulent Friction Reduction in Pipes by Dissolved Polymer Additives", which was published in the March 11 issue of Nature.

--Kenneth Vickery, Director of Admissions and Registration, presented a speech on "Ferment in Education" on Thursday, March 30, at the Luncheon Session of the Seminar, "Why Machine Parts Fail", at the Clemson House. The Seminar was sponsored by the Department of Mechanical Engineering.

GIFTS AND GRANTS

--The sum of \$23,250 has been granted by the National Institute of Health to Food Science and Biochemistry for a project entitled, "Pathogenesis of Gallstones and Lipid Metabolism." Dr. R. F. Borgman will conduct the research project.

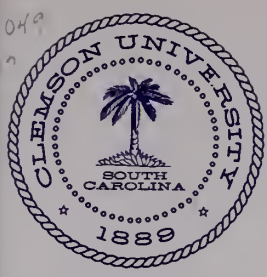
--Pioneer Corn Company has awarded \$600 to Pee Dee Station, Florence, for corn performance trials.

--Rohm and Haas Company has awarded \$550 to Horticulture for investigations on the use of "Fore" on turfgrass disease problems.

--Chemagro Corporation has awarded \$900 to Botany and Bacteriology for tests for control of cotton seedling diseases.

--Carolinas Golf Course Superintendents Association has awarded \$250 to Horticulture for evaluation of turf varieties for use in South Carolina.

--Diamond Alkali Company has awarded \$500 to Edisto Station, Blackville, for tests on control of seedling diseases.



CLEMSON

NEWSLETTER

INFORMATION FOR THE STAFF OF CLEMSON UNIVERSITY

Vol. 6 No. 17

May 1, 1967

CALENDAR: MAY 1 - AUGUST 18, 1967

CLEMSON UNIVERSITY LIBRARY
SOUTH CAROLINA ROOM

May 2	T	Sage Club, 6:30 p.m., Clemson House - Dinner Meeting
May 3	W	Baseball - University of Georgia at Georgia
May 3	W	Laicos Club, 8:15 p.m., Clemson House
May 3	W	Newcomers Club, 8 p.m., Clemson House
May 4	Th	Woman's Club Luncheon, 1 p.m., Clemson House. Bridal fashions through the years will be presented.
May 4	Th	W. B. Barlage (ChE) with R.C. Harshman (ChE) and C. E. Littlejohn (ChE) will present a one day seminar for local industry on "Non-Newtonian Fluids."
May 4	Th	Architecture Exhibit, Lee Gallery, Verticle Studio Show and Theses - through summer.
May 4	Th	Baseball - Wake Forest
May 5	F	Baseball - Duke
May 5	F	General Faculty and Staff Meeting, Chemistry Auditorium, 11 a.m.
May 5	F	Baseball - Duke; State Track - Columbia
May 5-6	F-Sat	Track - State Meet at Columbia
May 6	Sat	Commissioning Exercises, Tillman Hall Auditorium, 11 a.m.
May 6	Sat	President's Reception for Graduates and Families, President's Home, 2:30-3:30 p.m.
May 6	Sat	GRADUATION CEREMONY - Outdoor Theatre Band Concert at 4:30 p.m. Graduation Ceremony at 5:00 p.m. In the event of inclement weather the ceremony will be held in the Field House.
May 8	M	Forum Club, 7 p.m., Chemistry Building Conference Room
May 8	M	Baseball - UNC at Chapel Hill; Tennis - Va. at Charlottesville
May 8-12	M-F	Professional Development - PD 96 - Color Measurement Seminar, Sirrine Hall
May 9	T	Baseball - N.C. State at Raleigh; Tennis - Maryland at College Park
May 10-11	W-Th	Baseball - Virginia at Charlottesville.

CALENDAR (Continued)

May 10-12	W-F	Water and Sewage Operators School sponsored by the South Carolina Water and Pollution Control Association.
May 11-13	Th-Sat	ACC Tennis Meet at Durham
May 12-13	F-Sat	Baseball - Maryland at College Park; Track - ACC Meet at Durham; Golf - ACC Meet at Pinehurst.
May 14	Sun	Mother's Day
May 14-26		Second Summer Institute on the Simulation and Control of Power Systems, by the Electrical Engineering Dept. and the Southeastern Electric Exchange.
May 15	M	Matriculation & Registration for Summer Session
May 15-16	M-T	Baseball - V.P.I. at Blacksburg
May 15-19	M-F	Professional Development Courses - PD 63 - Graduate Seminar in Export Trade and Finance PD 79 - Graduate Seminar In Industrial Administration - Session 1*
May 15-26	M-F	Professional Development Courses - PD 24 - Fiber Physics PD 25 - Yarn Manufacturing PD 41 - Methods Analysis and Time Study PD 43 - Basic Textile Chemistry PD 47 - Quality Control PD 84 - Report Writing and Communications
May 15 - June 22		First Summer Session
May 16	T	Fellowship Club - 6:30 p.m., Clemson House
May 16	T	Classes Begin
May 20	Sat	Track - ACC vs SEC Meet in Meet in Columbia
May 20	Sat	Armed Forces Day
May 22-26	M-F	Professional Development Course PD 79 - Graduate Seminar in Industrial Administration - Session 2* (*An individual may enroll in either Session 1 or Session 2, or both, of PD 79.)
June 5-10	M-Sat	Professional Development Course PD - Introduction to Textile Manufacturing, Dyeing, and Finishing
June 5-16	M-F	Professional Development Courses PD 25 - Yarn Manufacturing (A repeat of May 15 through 26) PD 38 - Supervisor Development PD 41 - Methods Analysis and Time Study (Repeat of May 15-26) PD 44 - Advanced Textile Chemistry PD 56 - Weaving: Fabric Design and Development

CALENDAR (Continued)

June 9-11	F-Sun	Alumni Class Reunions on Campus
9	F	Clemson Foundation Trustees Meeting, Purple Room, Clemson House, 9:30 a.m.
9	F	Joint Luncheon - National Council and Foundation Trustees, Gold Room, Clemson House, 12:15 p.m.
9	F	Luncheon - Wives of Clemson Foundation Trustees and Alumni National Councilmen, Blue Room, Clemson House, 12:15 p.m.
9	F	Alumni National Council Meeting, Purple Room, Clemson House, 2:00 p.m.
9	F	Campus Movies - College Bowl and R. M. Cooper Library, Chemistry Auditorium, 2:30 p.m.
9	F	Alumni Seminar, Chemistry Auditorium, 4:10 p.m.
9	F	President's Reception for alumni, faculty, wives and guests, President's Home, 8:00-10:00 p.m.
June 10	Sat	Ladies Reception for wives of alumni and their guests, Student Center Lounge, 10:00 a.m.
10	Sat	Alumni General Assembly, Chemistry Auditorium, 2:30 p.m.
10	Sat	Alumni Directors' Workshop, Chemistry Building, Room 30, 3:40 p.m.
10	Sat	Alumni Banquet, University Dining Room, 6:30 p.m.
June 10	Sat	Foreign Language Examination
June 21-22	W-Th	Examinations
June 27-Aug 5		Second Summer Session
July 1	Sat	Classes Meet
July 3-4	M-T	Holiday - No Classes
July 8	Sat	Graduate Record Examination; Classes Meet
July 15	Sat	Foreign Language Examination
July 29	Sat	Classes Meet
July 31-Aug 4		Professional Development Course - PD 96 - Color Measurement Seminar - (Repeat of May 8-12)
Aug 2-3	W-Th	Examinations
Aug 5	Sat	Faculty Meeting to consider candidates for graduation
Aug 5	Sat	Summer Graduation
Aug 18	F	Matriculation, new students

LAST ISSUE OF NEWSLETTER

--This is the last issue of the Newsletter for the 1966-67 academic year.

FACULTY SENATORS ELECTED

Colleges and Schools elected Senators in April to replace those whose terms end this year. The new Senators will have three year terms.

Newly elected Senators and those whose terms will end are:

--in College of Agriculture and Biological Sciences:

W. C. Godley & J. R. Warner to replace M. A. Boone and J. M. Stepp.

--in School of Architecture:

V. S. Hodges to replace E. A. Gunnin.

--in College of Arts and Sciences:

W. C. Capel, Jr., J. G. Dinwiddie, Jr., L. D. Huff, Mrs. R. R. Owens, and J. V. Reel, Jr., to replace H. M. Felder, Jr., L. L. Henry, H. H. Macaulay, Jr., and B. R. Skelton. Because of the growth of the College of Arts and Sciences, an additional representative was elected to the Senate.

--in School of Education:

A. K. Jensen to replace W. C. Bowen.

--in College of Engineering:

F. C. Alley to replace H. G. Lefort.
J. N. Thurston to replace J. T. Long.

--in School of Industrial Management and Textile Science:

D. W. Lyons to replace J. J. Porter.

MINUTES OF THE FACULTY SENATE

April 11, 1967

The Faculty Senate met on April 11, 1967, at 4:15 p.m. in the auditorium of Olin Hall with Dr. J. T. Long presiding.

Dr. Long announced the names of the following new members of the Senate: W. C. Godley, J. R. Warner, V. S. Hodges, W. C. Capel, J. G. Dinwiddie, L. D. Huff, Mrs. Rameth Owens, J. V. Reel, A. K. Jensen, F. C. Alley, J. N. Thurston, and D. W. Lyons. Dr. Long then expressed his appreciation to those who had contributed to the work of the Senate this year.

Dr. Long announced that The Educational Council has approved the transfer of members of the economics faculty from the Department of Social Sciences in the College of Arts and Sciences to the School of Industrial Management and Textile Science.

Dr. Long announced the status of four Senate recommendations: 1. Dean Hurst has agreed to write a policy statement concerning workload, with the statement to be approved by the president of the Faculty Senate before its inclusion in Faculty Manual. 2. Deans are now being consulted concerning the proposed twelve-month payment plan. 3. Names of staff for scheduled courses will be posted when they are available. The Registrar is being consulted about making names of instructors available to class advisers. 4. Dean Hurst has asked that action concerning notification of tentative salary increases be delayed until he has been in office for one year.

In answer to a Senate request, minutes of the meetings of the Educational Council will be available in the University Library. No action has been taken on a recommendation that a list of textbooks with approximate costs be sent to entering freshmen. Dr. Long reported that if the Faculty Senate wants to compile and print such a list that money may be available.

Dr. Long announced that no class cuts had been authorized for senior day. The final decision would be made by Dean Hurst and Dean Cox Wednesday morning.

Dr. M. S. Steadman, chairman of the Welfare Committee, introduced the following motion: "In order to provide more continuity in the faculty representation on the Educational Council, it is requested that the term on the Educational Council of the President of the Faculty Senate be extended to two years. To accomplish this, it is recommended that the phrasing of the paragraph in the Faculty Manual which describes the Educational Council (p. 12, ll. 5-6) be changed to read: '. . . , the President and past President of the Academic Faculty Senate, . . .'" The motion was passed.

Dr. J. B. Whitney reported that the committee on the improvement of undergraduate instruction has received a report on better communication between

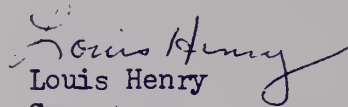
faculty and students and that a bibliography of material on the improvement of undergraduate teaching is being printed.

At the conclusion of the meeting the following new Senate officers were chosen: Dr. J. N. Thurston, president; Dr. M. S. Steadman, vice-president; Dr. Henry Vogel, secretary; Dr. T. L. Senn, Professor V. S. Hodges, Professor Eugene Park, Dr. A. F. Newton, Dr. J. D. Antrim, and Professor J. L. Richardson, members of the Committee on Committees.

A letter from Dr. J. D. Antrim, Faculty Senate representative on the Parking Committee, was read which included observations and recommendations about the Parking Committee.

Dr. Long announced that the following items would be carried over for Senate consideration next year: enrollment of freshmen in a school of general studies, the desirability of eliminating Saturday classes, membership size of the Faculty Senate, combining the Faculty Senate and the Research Council, liaison with two-year branches, and class attendance regulations.

Respectfully submitted,


Louis Henry
Secretary

LH:ae

Absent: Miss Harriet Holman, J. G. Spencer, J. V. Reel, A. K. Jensen, R. C. Harshman, D. W. Bradbury, F. C. Alley, and J. M. Wannamaker

CLEMSON UNIVERSITY AT SUMTER FACILITIES DEDICATED

Open house and dedication of the Clemson University at Sumter facilities were held April 23. President Edwards was the principal speaker. Other remarks were made by Sen. J. Strom Thurmond; Lt. Governor John C. West; State Senator and President of the Clemson Board of Trustees, Edgar A. Brown; Baxter B. Kelly, chairman of the Sumter County Commission for Higher Education; and Dr. Samuel M. Willis, director of the Sumter Center. Representing Clemson alumni in Sumter County was J. Frank Williams '04, oldest living Clemson alumnus in Sumter County.

CLEMSON UNIVERSITY CONCERT SERIES SCHEDULE FOR THE ACADEMIC YEAR, 1967-1968.

October 26, 1967 (Thursday)	Czech Philharmonic Orchestra
November 6, 1967 (Monday)	Orchestra Da Camera Accademia Musicale Napoletana
December 4, 1967 (Monday)	Byron Janis
February 6, 1968 (Tuesday)	John Shirley-Quirk
February 22, 1967 (Thursday)	American Folk Ballet
Spring, 1968 (Date to be announced)	U. S. Navy Band

ALUMNI REUNION WEEKEND: RECEPTION, SEMINAR, BANQUET

Clemson faculty and staff and their wives are invited to attend an informal reception at the President's Home, Friday evening, June 9, from 8:00 to 10:00 p.m. President and Mrs. Edwards will be hosts to visiting alumni, their wives and guests, who will be on campus for reunion activities June 9, 10, and 11. Faculty and staff are invited to join in the activities whenever they can.

Two Clemson movies will be shown in the air conditioned Chemistry Auditorium, Friday afternoon, June 9. You may come and go as you wish, seeing one or both movies. The program will include: NBC-TV's "College Bowl" (Clemson vs Fairfield University), and the documentary on the dedication of the James F. Byrnes Room of the R. M. Cooper Library.

The sixth annual Alumni Seminar will follow the movies in the Chemistry Auditorium. The seminar program is planned for alumni, wives and guests and is coordinated by the office of the Dean of the University.

Tickets are now on sale at the Alumni Office in the Trustee House for the Alumni Banquet to be held in the University Dining Room, Saturday evening, June 10, at 6:30 p.m. Faculty and staff may purchase their tickets in advance or obtain them the day of the banquet on the loggia of the Student Center.

*Schedule of NSF Programs for Education in the Sciences—Calendar Year 1967 **

This consolidated table presents important time-schedule information concerning NSF programs for education in the sciences. It is intended as a convenient reference for: (1) individuals applying for fellowships and (2) institutions submitting proposals for the conduct of all other listed programs and projects. Award announcement dates are approximate and on occasion may be somewhat later than the dates indicated.

INFORMATION FOR FELLOWSHIP APPLICANTS AND INSTITUTIONS

PROGRAMS	Program Announcement Dates ¹	Application Closing Dates	Award Announcement Dates	Pertinent Publications ²
FELLOWSHIPS				
Graduate	October 1967	December 8, 1967	March 15, 1968	E 67-G-4
Postdoctoral (Regular)	October 1967	December 11, 1967	March 15, 1968	E 67-G-5
Senior Postdoctoral	July 1967	October 9, 1967	December 11, 1967	E 67-G-1
Science Faculty	July 1967	October 9, 1967	December 11, 1967	E 67-G-2
Senior Foreign Scientist	Open	March 31, 1968	Periodically	E 67-G-6
North Atlantic Treaty Organization (NATO) ³				
Postdoctoral	July 1967	October 2, 1967	November 20, 1967	E 67-G-3
Senior	Open	March 31, 1968	Periodically	E 66-G-20

NOTE: Because the dates above are subject to change, prospective applicants should consult specific program announcements for exact final dates.

INFORMATION FOR INSTITUTIONS SUBMITTING PROPOSALS
(NOT for Individuals Applying for Participation)

PROGRAMS	Program Announcement Dates ¹	Proposal Closing Dates	Grant Award Dates	Pertinent Publications ²
GRADUATE TRAINEESHIPS	August 1967	October 20, 1967	January 15, 1968	E 67-G-7
ADVANCED SCIENCE EDUCATION PROGRAMS				
Advanced Science Seminars	October 1966	August 1, 1967	December 1, 1967	E 66-G-10a
Special Projects in Graduate Education	Open	Open	Open	E 66-G-10s
Public Understanding of Science	Open	Open	Open	E 66-G-10p
COLLEGE TEACHER PROGRAMS				
Academic Year Institutes for College Teachers, 1968-69	March 1967	July 1, 1967	October 16, 1967	E 67-U-6
Short Courses and Summer Institutes for College Teachers, 1968	March 1967	July 1, 1967	October 16, 1967	E 67-U-6
Research Participation for College Teachers, 1968	March 1967	July 1, 1967	October 23, 1967	E 67-U-6
In-Service Seminars for College Teachers, 1968-69	March 1967	July 1, 1967	October 23, 1967	E 67-U-6
UNDERGRADUATE EDUCATION PROGRAMS				
Undergraduate Research Participation	May 1967	September 11, 1967	December 22, 1967	E 66-U-2
Instructional Scientific Equipment	September 1967	January 30, 1968	May 15, 1968	E 67-U-3
Science Curriculum Improvement Program	Open	Open	Open	E 66-P-20
Special Projects (Undergraduate)	Open	Open	Open	—
Visiting Scientists (Colleges), 1968-69	August 1967	October 1, 1967	December 1, 1967	—
COLLEGE SCIENCE IMPROVEMENT PROGRAM	November 1966	Open	Open	E 66-U-10
SECONDARY SCHOOL TEACHER PROGRAMS				
Summer Institutes for Secondary School Teachers, 1968	March 1967	{ May 1, 1967 ⁴ { July 1, 1967 ⁴	November 20, 1967	E 67-P-2
Summer Conferences for Secondary School Teachers, 1968	Open	Open	Open	—
Academic Year Institutes for Secondary School Teachers, 1968-69	March 1967	July 1, 1967	October 15, 1967	E 67-P-3
In-Service Institutes for Secondary School Teachers, 1968-69	September 1967	{ December 1, 1967 ⁵ { December 15, 1967 ⁵	March 25, 1968	E 67-P-6
Research Participation for High School Teachers, 1968-69	March 1967	September 1, 1967	December 1, 1967	E 67-P-4
Special Projects in Pre-College Teacher Education, 1968-69	Open	Open	Open	—
SCHOOL SYSTEM IMPROVEMENT PROGRAMS (PRE-COLLEGE)				
Cooperative College-School Science	April 1967	August 24, 1967	December 9, 1967	E 67-P-22
Special Projects in Pre-College Science Education	Open	{ December 1, 1967 { March 1, 1968	{ April 1, 1968 { August 1, 1968	—
Course Content Improvement (Pre-College)	Open	Open	Open	E 66-P-20
SECONDARY SCHOOL STUDENT PROGRAMS				
Secondary Student Science Training	April 1967	August 24, 1967	December 9, 1967	E 67-P-21
Special Projects for Pre-College Students	Open	{ December 1, 1967 { March 1, 1968	{ April 1, 1968 { August 1, 1968	—

¹ Date application materials are available; also opening date for receipt of applications or proposals.

² In most instances the publications will not be available before the Program Announcement Dates appearing on this schedule.

³ Programs administered by NSF for U.S. citizens at the request of the Department of State.

⁴ Closing dates: May 1 for proposals requesting multi-term support; July 1 for all others.

⁵ Closing dates: December 1 for renewal of multi-term support; December 15 for all other proposals.

NOTE: Additional copies of this schedule may be obtained by addressing requests to Operations Unit, Office of Associate Director (Education), National Science Foundation, Washington, D.C. 20550.

RESEARCH FACULTY COUNCIL MEETING - April 18, 1967

The monthly meeting of the Research Faculty Council was called to order at 4:05 p.m., 101 Physics Building by Chairman Schwartz.

The minutes of the March 21, 1967 meeting were approved as circulated.

Dr. Schwartz introduced the newly elected council members in attendance. Elected members are:

<u>Members</u>	<u>Term Expires</u>
W. C. Mickelberry	1970
A. S. Tombes	1970
L. O. Drew	1970
E. M. Lander (currently on leave of absence)	1970
W. B. Barlage	1970
S. F. Hulbert	1970
M. J. B. Paynter	1968
Lamar Brown	1970

Officers for 1967-1968 were elected; they are:

Chairman	R. C. Fox
Vice Chairman	G. R. Craddock
Secretary	S. F. Hulbert

Mr. M. C. Palmer, Director of the Computer Center, spoke to the Council on operations and operational needs of the Computer Center. He commented that plans are being implemented to increase the operational time of the computer, to purchase additional equipment and to hire needed personnel for programming work. He stated that several machines are being ordered by various divisions of the University and that key punching facilities should be solved by September. He stated that the Computer Center was scheduled to be moved to the P & AS Building in July.

Although no action was taken, considerable discussion ensued on (1) whether the Council could render help in any way to the Computer Center and (2) what approach should be taken by the Council that could most effectively assist in the future development of the Computer Center.

Dr. Schwartz expressed appreciation to the Council members for the past year's work. He then officially turned the meeting over to Dr. Fox who adjourned the meeting at 5:08 p.m.

Respectfully submitted,

Absent:

M. J. B. Paynter

L. O. Van Blaricom

E. M. Lander (on leave of absence).

G. R. Craddock, Secretary

GRC/lm

TO ALL FACULTY PARTICIPATING IN 1967 COMMENCEMENT

1. The Faculty will meet in the hall of Main Building at 4:30 p.m. Saturday, May 6. Please report directly to your school or college marshal as indicated below:

Platform Party -- Walk in front of Main Building

Agriculture: Prof. J. M. Stepp -- South hall of first floor,
Main Building

Engineering: Prof. I. A. Trively -- North hall and porch of
Main Building

Industrial Management and

Textile Science: Prof. T. A. Campbell -- Aisle next to stage
in Auditorium

Arts and Sciences: Prof. L. D. Huff -- Main aisle in Auditorium

Architecture: Prof. E. A. Gunnin -- On stage of Auditorium

Education: Prof. J. L. Brock -- Walk by President's Office

2. The Faculty are requested to observe certain uniformities respecting the clothing worn with academic attire:
 - a. Women should wear dark dresses and dark shoes with low or medium heels. Men should wear dark shoes and preferably dark trousers. Coats need not be worn except in the case of those wearing Master's gowns; dark coats or blouses with dark sleeves are needed with these.
 - b. Caps should be worn with the long point to the rear; the tassel should be hanging forward to the left.
 - c. Faculty and candidates should march in an orderly and dignified fashion, maintaining an interval of one arm's length from the person in front.

SUMMER RENTALS

Faculty and staff members interested in sub-leasing their furnished homes or apartments during the summer sessions are requested to list them with the Housing Office as soon as possible. High School teachers and other faculty members attending summer classes at Clemson desire furnished units.

Phone - Ext. 343 or 347

GIFTS AND GRANTS

--D. F. Bruley (ChE) has received a three-year grant from National Institute of Health to study "Oxygen Diffusion in the Human Brain."

--Herbert W. Busching (CE) has received word that his National Science Foundation engineering research initiation grant entitled, "Parameters of Asphalt and Asphaltic Concrete," for \$10,000 has been approved.

--Pickle Packers, International, Inc. as awarded \$400 to Truck Station (Charleston) for brining of experimental pickle lines.

--Southeastern Seed Developers, Inc. has awarded \$3,250 to Truck Station (Charleston) for developing new pickle lines.

--SKODCO, Seaborn Mineral Division has awarded \$5,000 to Horticulture for a study of the effect of seaborn seaweed products on peaches.

PERSONAL MENTION

--W. F. Steirer, Jr. (SocSci) read "Conflict or Consensus? Recent Trends in the Historiography of the American Revolution," at the annual meeting of the South Carolina Historical Association in Columbia, April 8, and J. L. Arbena (SocSci) was the critic for a paper on Confederate-Mexican relations.

--J. L. Arbena (SocSci) read "The Image of an American Imperialist: Columbian Views of Theodore Roosevelt," at the Fourteenth Annual Southeastern Conference on Latin American Studies in Atlanta, April 14-15.

--J. D. Davenport (SocSci) has completed the requirements for his Ph.D. degree from the University of Maryland. The degree will be awarded in June.

--E. A. Dreskin (Med. Tech.) presented a paper entitled, "An Analysis of Blood Bank Operation," at a meeting of the S. C. Society of Pathologists and College of American Pathologists Southeastern Region on March 31 at the Medical College of South Carolina in Charleston.

--D. F. Bruley (ChE) was a seminar speaker at the University of Wisconsin on April 12. His topic was "Oxygen Transport in the Brain."

--H. N. Cooledge, Jr. (Arch.) presented a talk entitled "A Realistic Consideration of University Athletics" to the luncheon session of the Seminar "Experimental Stress Analysis," sponsored by the Dept. of Engineering Mechanics.

